



US Army Corps  
of Engineers

# NONLINEAR, INCREMENTAL STRUCTURAL ANALYSIS OF OLMSTED LOCKS AND DAMS

Volume II

APPENDIXES A THROUGH I

by

Sharon Garner, Anthony A. Bombich, C. Dean Norman

Structures Laboratory

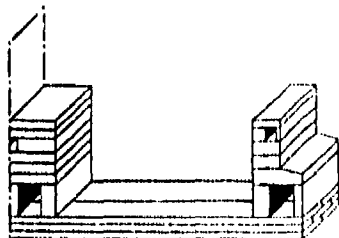
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Chris Merrill, Barry Fehl, H. Wayne Jones

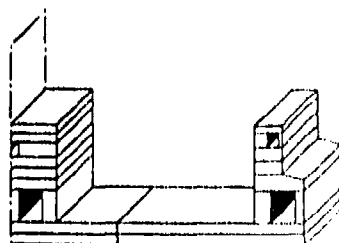
Information Technology Laboratory

DEPARTMENT OF THE ARMY

Waterways Experiment Station, Corps of Engineers  
3909 Halls Ferry Road, Vicksburg, Mississippi 39180-6199



Strip Placement Method



Block Placement Method

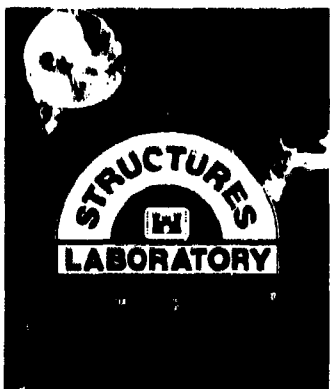


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Louisville, Kentucky 40201-0059

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13. ABSTRACT (Maximum 200 words) <p>The Olmsted Locks and Dam will be located on the Ohio River and the locks will be a W-frame type of structure, which is currently unprecedented within the Corps of Engineers. Because of this fact and due to the high fly ash concrete mixture planned for the project, an extensive nonlinear, incremental structural analysis (NISA) was performed. Parameters evaluated included two different placing schemes, plane stress and plane strain analyses, two different concrete mixtures, creep, and shrinkage.</p> <p>The report contains two phases. In the first phase, parameters such as plane stress and plane strain, block and strip placement schemes, and mixtures 6 and 11 were evaluated. The second phase included performance of several analyses based on the load case combinations contained in ETL 1110-2-324, "Special Design Provisions for Massive Concrete Structures," and included evaluation of the effects of creep and shrinkage. The second phase results were also used to validate the analyses performed in the first phase.</p>				
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# PREFACE

The work described in this report was conducted for the US Army Engineer District, Louisville, by the Structural Mechanics Division (SMD), Structures Laboratory (SL), and the Computer-Aided Engineering Division (CAED), Information Technology Laboratory (ITL), US Army Engineer Waterways Experiment Station (WES). The investigation was authorized by DD form 448, MIPR No. RM-B-90-375, dated 5 January 1990. The technical report resulting from this investigation is published in two volumes.

The investigation was accomplished under the general supervision of Messrs. Bryant Mather, Director, SL; James T. Ballard, Assistant Director, SL; Dr. Jimmy P. Balsara, Chief, SMD; and Dr. N. Radhakrishnan, Director, ITL, and under the direct supervision of Dr. C. Dean Norman, SMD, and Mr. H. Wayne Jones, CAED. This report was prepared by Mr. Anthony A. Bombich, Concrete Technology Division (CTD), SL, Ms. Sharon Garner, SMD, Dr. Norman, Mr. Chris Merrill, CAED, Mr. Barry Fehl, CAED, and Mr. Jones. The authors acknowledge Mr. Michael Hammons, CTD, for his assistance during this investigation and Mr. Byron McClellan, CEORL-ED-A, for his support and encouragement in performing the work described in this report.

At the time of publication of this report, Director of WES was Dr. Robert W. Whalin. Commander was COL Leonard G. Hassell, EN.

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CONVERSION FACTORS, NON-SI TO SI (METRIC)  
UNITS OF MEASUREMENT

Non-Si units of measurement used in this report can be converted to SI (metric) as follows:

<u>Multiply</u>	<u>By</u>	<u>To Obtain</u>
Btu (International Table) per pound (mass) . degree Fahrenheit	4,186.8	joules per kilogram kelvin
Btu (International Table) . inch per hour . square inch . degree Fahrenheit	20.7688176	watts per metre kelvin
Calories per gram Fahrenheit degrees	4.184	kilojoules per kilogram
	5/9	Celsius degrees or kelvins*
feet	0.3048	metres
inches	25.4	millimetres
kips (force) per inch	1.213659	kilonewtons per metre
miles per hour (U.S. statute)	1.609347	kilometres per hour
pounds (force) per square inch	0.006894757	megapascals
pounds (mass) per cubic inch	27,679.899	kilograms per cubic metre
pounds (mass) per cubic foot	16.01846	kilograms per cubic metre

\* To obtain Celsius (C) temperature reading from Fahrenheit (F) readings, use the following formula:  $C = (5/9)(F-32)$ . To obtain Kelvin (K) readings, use  $K = (5/9)(F-32) + 273.15$ .

APPENDIX A: PILE STIFFNESS CALCULATIONS

## **File Stiffness Calculations**

Vertical pile stiffness:

$$k = 1.25(AE)/L$$

**For a steel HP 14x117:**

$$A = 34.4 \text{ in}^2$$

E = 29,000,000 psi

**From plans provided:**

L = 708 in

$$k = 1.25(34.4 \text{ in}^2)(29,000,000 \text{ psi}) / 708 \text{ in} = 1,761,300 \text{ lb/in/pile}$$

modifying  $k$  to reflect average pile stiffness of a row of piles parallel to the flow axis:

$$k_{sv} = (1,761,300 \text{ lb/in/pile})(1 \text{ pile}/75 \text{ in})$$

$$k_{xy} = 23,500 \text{ lb/in/in}$$

Lateral pile stiffness:

Reduction factor for average stiffness to other piles in a row and for pile group effects:

$$rf = (12)(0.55)/(912) = .55/76 = 0.0072368$$

**Results of COM624G analyses:**

Force (lb)	Displacement (in)		Modified Displ.* (in)
	Profile 1	Profile 2	
0	0.0	0.0	0.0
4000	0.0356	0.0331	0.00024
8000	0.0745	0.0683	0.00049
12000	0.118	0.106	0.00077
16000	0.173	0.147	0.00106
20000	0.280	0.197	0.00143
24000	0.414	0.261	0.00189
48000	2.61	0.724	0.00524
76000	7.12	1.42	0.01028

\* profile 2 displacements times rf

1000 TITLE  
 1005 OLMSTED LOCK MONOLITH PILE COEFFICIENTS - SOIL PROFILE 1  
 1010 UNITS  
 1020 ENGL  
 1030 PILE 59 1 708. 29000. 0.  
 1040 0. 14.885 1220. 34.4  
 1050 SOIL 3  
 1060 1 4 0. 72. .125  
 1070 2 6 72. 216. .1 1.75 1.  
 1080 3 4 216. 800. .1  
 1090 WEIGHT 8  
 1100 0. .000075231  
 1105 60. .000075231  
 1110 60. .000076852  
 1115 72. .000076852  
 1120 72. .000067708  
 1120 216. .000067708  
 1130 216. .000072338  
 1135 800. .000072338  
 1136 STRENGTH 6  
 1137 0. 0. 40. .02  
 1137 72. 0. 40. .02  
 1138 72. .005208 0. 1.  
 1138 216. .005208 0. 1.  
 1139 216. 0. 35. .02  
 1139 800. 0. 35. .02  
 1140 BOUNDARY 1 8  
 1150 0 4. 0 0  
 1160 0 8. 0 0  
 1170 0 12. 0 0  
 1180 0 16. 0 0  
 1190 0 20. 0 0  
 1200 0 24. 0 0  
 1210 0 48. 0 0  
 1220 0 76. 0 0  
 1230 OUTPUT 1 2 1 5  
 1235 0 60 84 228 708  
 1240 CONTROL 100 .001 20  
 1250 END

\*\*\*\*\* UNIT DATA. \*\*\*\*\*

SYSTEM OF UNITS  
(UP TO 16 CHAR.)  
ENGL

\*\*\*\*\* FILE DATA. \*\*\*\*\*

NO. INCREMENTS FILE IS DIVIDED	NO. SEGMENTS WITH DIFFERENT CHARACTERISTICS	LENGTH OF PILE	MODULUS OF ELASTICITY	DEPTH
59	1	.708E+03	.290E+05	.000E+00

TOP OF SEGMENT	DIAMETER OF PILE	MOMENT OF INERTIA	CROSS-SECT. AREA
.000E+00	.149E+02	.122E+04	.344E+02

\*\*\*\*\* SOIL DATA. \*\*\*\*\*

NUMBER OF LAYERS  
3

LAYER NUMBER	P-Y CURVE CONTROL CODE	TOP OF LAYER	BOTTOM OF LAYER	INITIALSOIL MODULI CONST.	FACTOR 'A'	FACTOR 'F'
1	4	.000E+00	.720E+02	.125E+00	.000E+00	.000E+00
2	6	.720E+02	.216E+03	.100E+00	.175E+01	.100E+01
3	4	.216E+03	.800E+03	.100E+00	.000E+00	.000E+00

\*\*\*\*\* UNIT WEIGHT DATA. \*\*\*\*\*

NO. POINTS FOR PLOT  
OF EFF. UNIT WEIGHT  
VS. DEPTH

DEPTH BELOW TOP TO POINT	EFFECTIVE UNIT WEIGHT
.000E+00	.752E-04
.600E+02	.752E-04

.600E+02	.769E-04
.720E+02	.769E-04
.720E+02	.677E-04
.216E+03	.677E-04
.216E+03	.723E-04
.800E+03	.723E-04

\*\*\*\*\* PROFILE DATA. \*\*\*\*\*

NO. POINTS FOR  
STRENGTH PARAMETERS  
VS. DEPTH  
6

DEPTH BELOW TOP OF PILE	UNDRAINED SHEAR STRENGTH OF SOIL	ANGLE OF INTERNAL FRICTION IN RADIANS	STRAIN AT 50% STRESS LEVEL
.000E+00	.000E+00	.698E+00	.200E-01
.720E+02	.000E+00	.698E+00	.200E-01
.720E+02	.521E-02	.000E+00	.100E+01
.216E+03	.521E-02	.000E+00	.100E+01
.216E+03	.000E+00	.611E+00	.200E-01
.800E+03	.000E+00	.611E+00	.200E-01

\*\*\*\*\* P-Y DATA. \*\*\*\*\*

NO. OF  
P-Y CURVES  
0

\*\*\*\*\* OUTPUT DATA. \*\*\*\*\*

DATA OUTPUT CODE	OUTPUT INCREMENT CODE	P-Y PRINTOUT CODE	NO. DEPTHS TO PRINT FOR P-Y CURVES
1	2	1	5

DEPTH FOR  
PRINTING  
P-Y CURVES  
.000E+00  
.600E+02  
.840E+02

.228E+03  
.708E+03

\*\*\*\*\* FILE HEAD (BOUNDARY) DATA. \*\*\*\*\*

BOUNDARY CONDITION CODE	NO. OF SETS OF BOUNDARY CONDITIONS
1	8

FILE HEAD PRINTOUT CODE	LATERAL LOAD AT TOP OF PILE	VALUE OF SECOND BOUNDARY CONDITION	AXIAL LOAD ON PILE
0	.400E+01	.000E+00	.000E+00
0	.800E+01	.000E+00	.000E+00
0	.120E+02	.000E+00	.000E+00
0	.160E+02	.000E+00	.000E+00
0	.200E+02	.000E+00	.000E+00
0	.240E+02	.000E+00	.000E+00
0	.480E+02	.000E+00	.000E+00
0	.760E+02	.000E+00	.000E+00

\*\*\*\*\* CYCLIC DATA. \*\*\*\*\*

CYCLIC(0) OR STATIC(1) LOADING	NO. CYCLES OF LOADING
0	.000E+00

\*\*\*\*\* PROGRAM CONTROL DATA. \*\*\*\*\*

MAX. NO. OF ITERATIONS	TOLERANCE ON SOLUTION CONVERGENCE	FILE HEAD DEFLECTION FLAG (STOPS RUN)
100	.100E-02	.200E+02



# GENERATED P-Y CURVES

THE NUMBER OF CURVES

= 5

THE NUMBER OF POINTS ON EACH CURVE

= 17

DEPTH	DIAM	PHI	GAMMA	A	B	PCT	PCD
IN	IN	DEG	LBS/IN**3				
.00	14.89	40.0	.8E-04	.75	.53	.00E+00	.00E+00

Y	P
IN	LBS/IN
.000	.000
.021	.000
.041	.000
.062	.000
.083	.000
.103	.000
.124	.000
.145	.000
.165	.000
.186	.000
.207	.000
.227	.000
.248	.000
.558	.000
5.334	.000
10.109	.000
14.885	.000

DEPTH	DIAM	PHI	GAMMA	A	B	PCT	PCD
IN	IN	DEG	LBS/IN**3				
60.00	14.89	40.0	.8E-04	.90	.55	.15E+01	.70E+01

Y	P
IN	LBS/IN
.000	.000
.021	.155
.041	.310
.062	.421
.083	.487
.103	.545
.124	.598
.145	.647
.165	.692
.186	.735
.207	.775
.227	.814
.248	.851
.558	1.391
5.334	1.391
10.109	1.391
14.885	1.391

DEPTH IN	DIAM IN	C LBS/IN**2	CAVG LBS/IN**3	GAMMA LBS/IN**3	E50
84.00	14.885	.5E-02	.7E-03	.7E-04	.100E+01
		Y		P	
		IN		LBS/IN	
		.000		.000	
		2.171		.037	
		4.341		.046	
		6.512		.053	
		8.683		.058	
		10.854		.062	
		13.024		.066	
		15.195		.070	
		17.366		.073	
		19.537		.076	
		21.707		.079	
		23.878		.081	
		26.049		.084	
		191.024		.069	
		356.000		.054	
		520.975		.039	
		781.463		.039	

DEPTH IN	DIAM IN	PHI DEG	GAMMA LBS/IN**3	A	B	PCT	PCD
228.00	14.89	35.0	.7E-04	.88	.55	.12E+02	.13E+02
			Y			P	
			IN			LBS/IN	
			.000			.000	
			.021			.471	
			.041			.943	
			.062			1.414	
			.083			1.885	
			.103			2.357	
			.124			2.828	
			.145			3.300	
			.165			3.771	
			.186			4.242	
			.207			4.714	
			.227			5.185	
			.248			5.656	
			.558			10.287	
			5.334			10.287	
			10.109			10.287	
			14.885			10.287	

DEPTH IN	DIAM IN	PHI DEG	GAMMA LBS/IN**3	A	B	PCT	PCD
708.00	14.89	35.0	.7E-04	.88	.55	.11E+03	.41E+02

Y IN	P LBS/IN
.000	.000
.021	1.464
.041	2.927
.062	4.391
.083	5.855
.103	7.318
.124	8.782
.145	10.246
.165	11.710
.186	13.173
.207	14.637
.227	16.101
.248	17.564
.558	35.779
5.334	35.779
10.109	35.779
14.885	35.779

# OLMSTED LOCK MONOLITH PILE COEFFICIENTS - SOIL PROFILE 1

UNITS--ENGL

## OUTPUT INFORMATION \*\*\*\*\*

NO. OF ITERATIONS = 3  
MAXIMUM DEFLECTION ERROR = .254E-03 IN

COMPUTED LATERAL FORCE AT PILE HEAD = .40000E+01 LBS  
COMPUTED MOMENT AT PILE HEAD = .00000E+00 IN-LBS  
COMPUTED SLOPE AT PILE HEAD = -.44774E-03

THE OVERALL MOMENT IMBALANCE = -.206E-05 IN-LBS  
THE OVERALL LATERAL FORCE IMBALANCE = -.683E-13 LBS

PILE HEAD DEFLECTION = .356E-01 IN  
MAXIMUM BENDING MOMENT = .142E+03 IN-LBS  
MAXIMUM TOTAL STRESS = .864E+00 LBS/IN\*\*2  
MAXIMUM SHEAR FORCE = .400E+01 LBS

NO. OF ITERATIONS = 3  
MAXIMUM DEFLECTION ERROR = .255E-03 IN

COMPUTED LATERAL FORCE AT PILE HEAD = .80000E+01 LBS  
COMPUTED MOMENT AT PILE HEAD = .00000E+00 IN-LBS  
COMPUTED SLOPE AT PILE HEAD = -.92847E-03

THE OVERALL MOMENT IMBALANCE = -.581E-05 IN-LBS  
THE OVERALL LATERAL FORCE IMBALANCE = -.802E-12 LBS

PILE HEAD DEFLECTION = .745E-01 IN  
MAXIMUM BENDING MOMENT = .291E+03 IN-LBS  
MAXIMUM TOTAL STRESS = .178E+01 LBS/IN\*\*2  
MAXIMUM SHEAR FORCE = .800E+01 LBS

NO. OF ITERATIONS = 3  
MAXIMUM DEFLECTION ERROR = .971E-03 IN

COMPUTED LATERAL FORCE AT PILE HEAD = .12000E+02 LBS  
COMPUTED MOMENT AT PILE HEAD = .00000E+00 IN-LBS  
COMPUTED SLOPE AT PILE HEAD = -.14529E-02

THE OVERALL MOMENT IMBALANCE = .680E-05 IN-LBS  
THE OVERALL LATERAL FORCE IMBALANCE = -.128E-11 LBS

PILE HEAD DEFLECTION = .118E+00 IN  
MAXIMUM BENDING MOMENT = .453E+03 IN-LBS  
MAXIMUM TOTAL STRESS = .276E+01 LBS/IN\*\*2  
MAXIMUM SHEAR FORCE = .120E+02 LBS

NO. OF ITERATIONS = 5  
MAXIMUM DEFLECTION ERROR = .820E-03 IN

COMPUTED LATERAL FORCE AT PILE HEAD = .16000E+02 LBS  
COMPUTED MOMENT AT PILE HEAD = .00000E+00 IN-LBS  
COMPUTED SLOPE AT PILE HEAD = -.20648E-02

THE OVERALL MOMENT IMBALANCE = .648E-05 IN-LBS  
THE OVERALL LATERAL FORCE IMBALANCE = -.204E-12 LBS

PILE HEAD DEFLECTION = .173E+00 IN  
MAXIMUM BENDING MOMENT = .629E+03 IN-LBS  
MAXIMUM TOTAL STRESS = .384E+01 LBS/IN\*\*2  
MAXIMUM SHEAR FORCE = .160E+02 LBS

NO. OF ITERATIONS = 9  
MAXIMUM DEFLECTION ERROR = .934E-03 IN

COMPUTED LATERAL FORCE AT PILE HEAD = .20000E+02 LBS  
COMPUTED MOMENT AT PILE HEAD = .00000E+00 IN-LBS  
COMPUTED SLOPE AT PILE HEAD = -.29968E-02

THE OVERALL MOMENT IMBALANCE = -.549E-05 IN-LBS  
THE OVERALL LATERAL FORCE IMBALANCE = -.202E-11 LBS

PILE HEAD DEFLECTION = .280E+00 IN  
MAXIMUM BENDING MOMENT = .822E+03 IN-LBS  
MAXIMUM TOTAL STRESS = .502E+01 LBS/IN\*\*2  
MAXIMUM SHEAR FORCE = .200E+02 LBS

NO. OF ITERATIONS = 9  
MAXIMUM DEFLECTION ERROR = .967E-03 IN

COMPUTED LATERAL FORCE AT PILE HEAD = .24000E+02 LBS  
COMPUTED MOMENT AT PILE HEAD = .00000E+00 IN-LBS  
COMPUTED SLOPE AT PILE HEAD = -.40667E-02

THE OVERALL MOMENT IMBALANCE = -.218E-04 IN-LBS  
THE OVERALL LATERAL FORCE IMBALANCE = .274E-11 LBS

PILE HEAD DEFLECTION = .414E+00 IN  
MAXIMUM BENDING MOMENT = .102E+04 IN-LBS  
MAXIMUM TOTAL STRESS = .622E+01 LBS/IN\*\*2  
MAXIMUM SHEAR FORCE = .240E+02 LBS

NO. OF ITERATIONS = 22  
MAXIMUM DEFLECTION ERROR = .770E-03 IN

\*\*\*\* WARNING \*\*\*\*  
MAXIMUM MOMENT IMBALANCE FOR ANY ELEMENT = -.217E-03 IN-LBS

COMPUTED LATERAL FORCE AT PILE HEAD = .480000E+02 LBS  
COMPUTED MOMENT AT PILE HEAD = .000000E+00 IN-LBS  
COMPUTED SLOPE AT PILE HEAD = -.17724E-01

THE OVERALL MOMENT IMBALANCE = .575E-04 IN-LBS  
THE OVERALL LATERAL FORCE IMBALANCE = -.226E-10 LBS

PILE HEAD DEFLECTION = .261E+01 IN  
MAXIMUM BENDING MOMENT = .287E+04 IN-LBS  
MAXIMUM TOTAL STRESS = .175E+02 LBS/IN\*\*2  
MAXIMUM SHEAR FORCE = .480E+02 LBS

NO. OF ITERATIONS = 12  
MAXIMUM DEFLECTION ERROR = .787E-03 IN

\*\*\*\* WARNING \*\*\*\*  
MAXIMUM MOMENT IMBALANCE FOR ANY ELEMENT = -.282E-03 IN-LBS

COMPUTED LATERAL FORCE AT PILE HEAD = .760000E+02 LBS  
COMPUTED MOMENT AT PILE HEAD = .000000E+00 IN-LBS  
COMPUTED SLOPE AT PILE HEAD = -.43811E-01

THE OVERALL MOMENT IMBALANCE = .653E-03 IN-LBS  
THE OVERALL LATERAL FORCE IMBALANCE = .780E-10 LBS

PILE HEAD DEFLECTION = .712E+01 IN  
MAXIMUM BENDING MOMENT = .862E+04 IN-LBS  
MAXIMUM TOTAL STRESS = .526E+02 LBS/IN\*\*2  
MAXIMUM SHEAR FORCE = .760E+02 LBS

# OLMSTED LOCK MONOLITH PILE COEFFICIENTS - SOIL PROFILE 1

## S U M M A R Y   T A B L E

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LATERAL LOAD (LBS)	BOUNDARY CONDITION BC2	AXIAL LOAD (LBS)	YT (IN)	ST (IN/IN)	MAX. MOMENT (IN-LBS)	MAX. STRESS (LBS/IN**2)
.400E+01	.000E+00	.000E+00	.356E-01	-.448E-03	.142E+03	.864E+00
.800E+01	.000E+00	.000E+00	.745E-01	-.928E-03	.291E+03	.178E+01
.120E+02	.000E+00	.000E+00	.118E+00	-.145E-02	.453E+03	.276E+01
.160E+02	.000E+00	.000E+00	.173E+00	-.206E-02	.629E+03	.384E+01
.200E+02	.000E+00	.000E+00	.280E+00	-.300E-02	.822E+03	.502E+01
.240E+02	.000E+00	.000E+00	.414E+00	-.407E-02	.102E+04	.622E+01
.480E+02	.000E+00	.000E+00	.261E+01	-.177E-01	.287E+04	.175E+02
.760E+02	.000E+00	.000E+00	.712E+01	-.438E-01	.862E+04	.526E+02

1000 TITLE  
1005 OLMSTED LOCK MONOLITH PILE COEFFICIENTS - SOIL PROFILE 2  
1010 UNITS  
1020 ENGL  
1030 PILE 59 1 708. 29000. 0.  
1040 0. 14.885 1220. 34.4  
1050 SOIL 4  
1060 1 4 0. 72. .125  
1065 2 4 72. 240. .11  
1070 2 6 240. 324. .1 1.75 1.  
1080 3 4 324. 800. .1  
1090 WEIGHT 10  
1100 0. .000075231  
1105 60. .000075231  
1110 60. .000076852  
1115 72. .000076852  
1120 72. .000072338  
1121 240. .000072338  
1122 240. .000067708  
1120 324. .000067708  
1130 324. .000072338  
1135 800. .000072338  
1136 STRENGTH 8  
1137 0. 0. 40. .02  
1137 72. 0. 40. .02  
1137 72. 0. 38. .02  
1137 240. 0. 38. .02  
1138 240. .005208 0. 1.  
1138 324. .005208 0. 1.  
1139 324. 0. 35. .02  
1139 800. 0. 35. .02  
1140 BOUNDARY 1 8  
1150 0 4. 0 0  
1160 0 8. 0 0  
1170 0 12. 0 0  
1180 0 16. 0 0  
1190 0 20. 0 0  
1200 0 24. 0 0  
1210 0 48. 0 0  
1220 0 76. 0 0  
1230 OUTPUT 1 2 1 5  
1235 0 60 84 228 708  
1240 CONTROL 100 .001 20  
1250 END



\*\*\*\*\* UNIT DATA. \*\*\*\*\*

SYSTEM OF UNITS  
(UP TO 16 CHAR.)  
ENGL

\*\*\*\*\* FILE DATA. \*\*\*\*\*

NO. INCREMENTS FILE IS DIVIDED	NO. SEGMENTS WITH DIFFERENT CHARACTERISTICS	LENGTH OF FILE	MODULUS OF ELASTICITY	DEPTH
59	1	.708E+03	.290E+05	.000E+00

TOP OF SEGMENT	DIAMETER OF FILE	MOMENT OF INERTIA	CROSS-SECT. AREA
.000E+00	.149E+02	.122E+04	.344E+02

\*\*\*\*\* SOIL DATA. \*\*\*\*\*

NUMBER OF LAYERS  
4

LAYER NUMBER	P-Y CURVE CONTROL CODE	TOP OF LAYER	BOTTOM OF LAYER	INITIALSOIL MODULI CONST.	FACTOR 'A'	FACTOR 'F'
1	4	.000E+00	.720E+02	.125E+00	.000E+00	.000E+00
2	4	.720E+02	.240E+03	.110E+00	.000E+00	.000E+00
2	6	.240E+03	.324E+03	.100E+00	.175E+01	.100E+01
3	4	.324E+03	.800E+03	.100E+00	.000E+00	.000E+00

\*\*\*\*\* UNIT WEIGHT DATA. \*\*\*\*\*

NO. POINTS FOR PLOT  
OF EFF. UNIT WEIGHT  
VS. DEPTH  
10

DEPTH BELOW TOP TO POINT	EFFECTIVE UNIT WEIGHT
.000E+00	.752E-04
.600E+02	.752E-04
.600E+02	.769E-04
.720E+02	.769E-04
.720E+02	.723E-04
.240E+03	.723E-04
.240E+03	.677E-04
.324E+03	.677E-04
.324E+03	.723E-04
.800E+03	.723E-04

\*\*\*\*\* PROFILE DATA. \*\*\*\*\*

NO. POINTS FOR  
STRENGTH PARAMETERS  
VS. DEPTH  
8

DEPTH BELOW TOP OF PILE	UNDRAINED SHEAR STRENGTH OF SOIL	ANGEL OF INTERNAL FRICTION IN RADIANS	STRAIN AT 50% STRESS LEVEL
.000E+00	.000E+00	.698E+00	.200E-01
.720E+02	.000E+00	.698E+00	.200E-01
.720E+02	.000E+00	.663E+00	.200E-01
.240E+03	.000E+00	.663E+00	.200E-01
.240E+03	.521E-02	.000E+00	.200E-01
.324E+03	.521E-02	.000E+00	.100E+01
.324E+03	.000E+00	.000E+00	.100E+01
.800E+03	.000E+00	.611E+00	.200E-01
		.611E+00	.200E-01

\*\*\*\*\* P-Y DATA. \*\*\*\*\*

NO. OF  
P-Y CURVES  
0

\*\*\*\*\* OUTPUT DATA. \*\*\*\*\*

DATA OUTPUT CODE	OUTPUT INCREMENT CODE	P-Y PRINTOUT CODE	NO. DEPTHS TO PRINT FOR P-Y CURVES
1	2	1	5

DEPTH FOR  
PRINTING  
P-Y CURVES  
.000E+00  
.600E+02  
.840E+02  
.228E+03  
.708E+03

\*\*\*\*\* FILE HEAD (BOUNDARY) DATA. \*\*\*\*\*

BOUNDARY CONDITION CODE	NO. OF SETS OF BOUNDARY CONDITIONS
1	8

FILE HEAD PRINTOUT CODE	LATERAL LOAD AT TOP OF PILE	VALUE OF SECOND BOUNDARY CONDITION	AXIAL LOAD ON PILE
0	.400E+01	.000E+00	.000E+00
0	.800E+01	.000E+00	.000E+00
0	.120E+02	.000E+00	.000E+00
0	.160E+02	.000E+00	.000E+00
0	.200E+02	.000E+00	.000E+00
0	.240E+02	.000E+00	.000E+00
0	.480E+02	.000E+00	.000E+00
0	.760E+02	.000E+00	.000E+00

\*\*\*\*\* CYCLIC DATA. \*\*\*\*\*

CYCLIC(0) OR STATIC(1) LOADING	NO. CYCLES OF LOADING
0	.000E+00

\*\*\*\*\* PROGRAM CONTROL DATA. \*\*\*\*\*

MAX. NO. OF ITERATIONS	TOLERANCE ON SOLUTION CONVERGENCE	FILE HEAD DEFLECTION FLAG (STOPS RUN)
100	.100E-02	.200E+02

# GENERATED P-Y CURVES

THE NUMBER OF CURVES

= 5

THE NUMBER OF POINTS ON EACH CURVE

= 17

DEPTH	DIAM	PHI	GAMMA	A	B	PCT	PCD
IN	IN	DEG	LBS/IN**3				
.00	14.89	40.0	.8E-04	.75	.53	.00E+00	.00E+00

Y	P
IN	LBS/IN
.000	.000
.021	.000
.041	.000
.062	.000
.083	.000
.103	.000
.124	.000
.145	.000
.165	.000
.186	.000
.207	.000
.227	.000
.248	.000
.558	.000
5.334	.000
10.109	.000
14.885	.000

DEPTH	DIAM	PHI	GAMMA	A	B	PCT	PCD
IN	IN	DEG	LBS/IN**3				
60.00	14.89	40.0	.8E-04	.90	.55	.15E+01	.70E+01

Y	P
IN	LBS/IN
.000	.000
.021	.155
.041	.310
.062	.421
.083	.487
.103	.545
.124	.598
.145	.647
.165	.692
.186	.735
.207	.775
.227	.814
.248	.851
.558	1.391
5.334	1.391
10.109	1.391
14.885	1.391

DEPTH	DIAM	PHI	GAMMA	A	B	PCT	PCD
IN	IN	DEG	LBS/IN**3				
84.00	14.89	38.0	.8E-04	.88	.55	.24E+01	.75E+01

Y	P
IN	LBS/IN
.000	.000
.021	.191
.041	.382
.062	.573
.083	.764
.103	.875
.124	.955
.145	1.028
.165	1.096
.186	1.160
.207	1.220
.227	1.277
.248	1.332
.558	2.131
5.334	2.131
10.109	2.131
14.885	2.131

DEPTH	DIAM	PHI	GAMMA	A	B	PCT	PCD
IN	IN	DEG	LBS/IN**3				
228.00	14.89	38.0	.7E-04	.88	.55	.16E+02	.20E+02

Y	P
IN	LBS/IN
.000	.000
.021	.518
.041	1.037
.062	1.555
.083	2.074
.103	2.592
.124	3.111
.145	3.629
.165	4.148
.186	4.666
.207	5.185
.227	5.703
.248	6.222
.558	13.853
5.334	13.853
10.109	13.853
14.885	13.853

DEPTH	DIAM	PHI	GAMMA	A	B	PCT	PCD
IN	IN	DEG	LBS/IN**3				
708.00	14.89	35.0	.7E-04	.88	.55	.11E+03	.41E+02

Y	P
IN	LBS/IN
.000	.000
.021	1.464
.041	2.927
.062	4.391
.083	5.855
.103	7.318
.124	8.782
.145	10.246
.165	11.710
.186	13.173
.207	14.637
.227	16.101
.248	17.564
.558	35.974
5.334	35.974
10.109	35.974
14.885	35.974

OLMSTED LOCK MONOLITH PILE COEFFICIENTS - SOIL PROFILE 2

UNITS--ENGL

OUTPUT INFORMATION  
\*\*\*\*\*

NO. OF ITERATIONS = 2  
MAXIMUM DEFLECTION ERROR = .000E+00 IN

COMPUTED LATERAL FORCE AT PILE HEAD = .40000E+01 LBS  
COMPUTED MOMENT AT PILE HEAD = .00000E+00 IN-LBS  
COMPUTED SLOPE AT PILE HEAD = -.44670E-03

THE OVERALL MOMENT IMBALANCE = .269E-05 IN-LBS  
THE OVERALL LATERAL FORCE IMBALANCE = .304E-12 LBS

PILE HEAD DEFLECTION = .331E-01 IN  
MAXIMUM BENDING MOMENT = .152E+03 IN-LBS  
MAXIMUM TOTAL STRESS = .927E+00 LBS/IN\*\*2  
MAXIMUM SHEAR FORCE = .400E+01 LBS

NO. OF ITERATIONS = 3  
MAXIMUM DEFLECTION ERROR = .121E-03 IN

COMPUTED LATERAL FORCE AT PILE HEAD = .80000E+01 LBS  
COMPUTED MOMENT AT PILE HEAD = .00000E+00 IN-LBS  
COMPUTED SLOPE AT PILE HEAD = -.91851E-03

THE OVERALL MOMENT IMBALANCE = -.369E-05 IN-LBS  
THE OVERALL LATERAL FORCE IMBALANCE = -.315E-12 LBS

PILE HEAD DEFLECTION = .683E-01 IN  
MAXIMUM BENDING MOMENT = .312E+03 IN-LBS  
MAXIMUM TOTAL STRESS = .191E+01 LBS/IN\*\*2  
MAXIMUM SHEAR FORCE = .800E+01 LBS

NO. OF ITERATIONS = 3  
MAXIMUM DEFLECTION ERROR = .433E-03 IN

COMPUTED LATERAL FORCE AT PILE HEAD = .12000E+02 LBS  
COMPUTED MOMENT AT PILE HEAD = .00000E+00 IN-LBS  
COMPUTED SLOPE AT PILE HEAD = -.14143E-02

THE OVERALL MOMENT IMBALANCE =  $-.245E-04$  IN-LBS  
 THE OVERALL LATERAL FORCE IMBALANCE =  $.525E-12$  LBS

PILE HEAD DEFLECTION =  $.106E+00$  IN  
 MAXIMUM BENDING MOMENT =  $.481E+03$  IN-LBS  
 MAXIMUM TOTAL STRESS =  $.293E+01$  LBS/IN\*\*2  
 MAXIMUM SHEAR FORCE =  $.120E+02$  LBS

NO. OF ITERATIONS = 3  
 MAXIMUM DEFLECTION ERROR =  $.796E-03$  IN

COMPUTED LATERAL FORCE AT PILE HEAD =  $.16000E+02$  LBS  
 COMPUTED MOMENT AT PILE HEAD =  $.00000E+00$  IN-LBS  
 COMPUTED SLOPE AT PILE HEAD =  $-.19604E-02$

THE OVERALL MOMENT IMBALANCE =  $.491E-04$  IN-LBS  
 THE OVERALL LATERAL FORCE IMBALANCE =  $-.530E-12$  LBS

PILE HEAD DEFLECTION =  $.147E+00$  IN  
 MAXIMUM BENDING MOMENT =  $.666E+03$  IN-LBS  
 MAXIMUM TOTAL STRESS =  $.406E+01$  LBS/IN\*\*2  
 MAXIMUM SHEAR FORCE =  $.160E+02$  LBS

NO. OF ITERATIONS = 5  
 MAXIMUM DEFLECTION ERROR =  $.445E-03$  IN

COMPUTED LATERAL FORCE AT PILE HEAD =  $.20000E+02$  LBS  
 COMPUTED MOMENT AT PILE HEAD =  $.00000E+00$  IN-LBS  
 COMPUTED SLOPE AT PILE HEAD =  $-.25808E-02$

THE OVERALL MOMENT IMBALANCE =  $.336E-04$  IN-LBS  
 THE OVERALL LATERAL FORCE IMBALANCE =  $.444E-12$  LBS

PILE HEAD DEFLECTION =  $.197E+00$  IN  
 MAXIMUM BENDING MOMENT =  $.870E+03$  IN-LBS  
 MAXIMUM TOTAL STRESS =  $.531E+01$  LBS/IN\*\*2  
 MAXIMUM SHEAR FORCE =  $.200E+02$  LBS

NO. OF ITERATIONS = 5  
 MAXIMUM DEFLECTION ERROR =  $.862E-03$  IN

COMPUTED LATERAL FORCE AT PILE HEAD =  $.24000E+02$  LBS  
 COMPUTED MOMENT AT PILE HEAD =  $.00000E+00$  IN-LBS  
 COMPUTED SLOPE AT PILE HEAD =  $-.33201E-02$

THE OVERALL MOMENT IMBALANCE =  $.484E-04$  IN-LBS  
 THE OVERALL LATERAL FORCE IMBALANCE =  $.480E-13$  LBS



FILE HEAD DEFLECTION = .261E+00 IN  
MAXIMUM BENDING MOMENT = .111E+04 IN-LBS  
MAXIMUM TOTAL STRESS = .676E+01 LBS/IN\*\*2  
MAXIMUM SHEAR FORCE = .240E+02 LBS

NO. OF ITERATIONS = 7  
MAXIMUM DEFLECTION ERROR = .916E-03 IN

\*\*\*\* WARNING \*\*\*\*

MAXIMUM MOMENT IMBALANCE FOR ANY ELEMENT = -.187E-03 IN-LBS

COMPUTED LATERAL FORCE AT PILE HEAD = .48000E+02 LBS  
COMPUTED MOMENT AT PILE HEAD = .00000E+00 IN-LBS  
COMPUTED SLOPE AT PILE HEAD = -.84146E-02

THE OVERALL MOMENT IMBALANCE = .699E-04 IN-LBS  
THE OVERALL LATERAL FORCE IMBALANCE = .440E-11 LBS

FILE HEAD DEFLECTION = .724E+00 IN  
MAXIMUM BENDING MOMENT = .265E+04 IN-LBS  
MAXIMUM TOTAL STRESS = .161E+02 LBS/IN\*\*2  
MAXIMUM SHEAR FORCE = .480E+02 LBS

NO. OF ITERATIONS = 8  
MAXIMUM DEFLECTION ERROR = .986E-03 IN

\*\*\*\* WARNING \*\*\*\*

MAXIMUM MOMENT IMBALANCE FOR ANY ELEMENT = .276E-03 IN-LBS

COMPUTED LATERAL FORCE AT PILE HEAD = .76000E+02 LBS  
COMPUTED MOMENT AT PILE HEAD = .00000E+00 IN-LBS  
COMPUTED SLOPE AT PILE HEAD = -.15568E-01

THE OVERALL MOMENT IMBALANCE = -.763E-04 IN-LBS  
THE OVERALL LATERAL FORCE IMBALANCE = -.122E-10 LBS

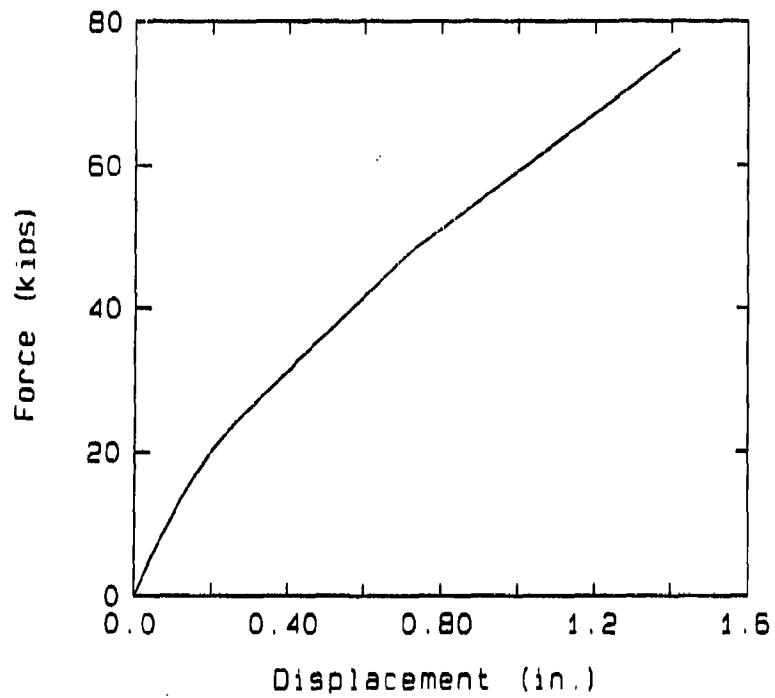
FILE HEAD DEFLECTION = .142E+01 IN  
MAXIMUM BENDING MOMENT = .467E+04 IN-LBS  
MAXIMUM TOTAL STRESS = .285E+02 LBS/IN\*\*2  
MAXIMUM SHEAR FORCE = .760E+02 LBS

# OLMSTED LOCK MONOLITH PILE COEFFICIENTS - SOIL PROFILE 2

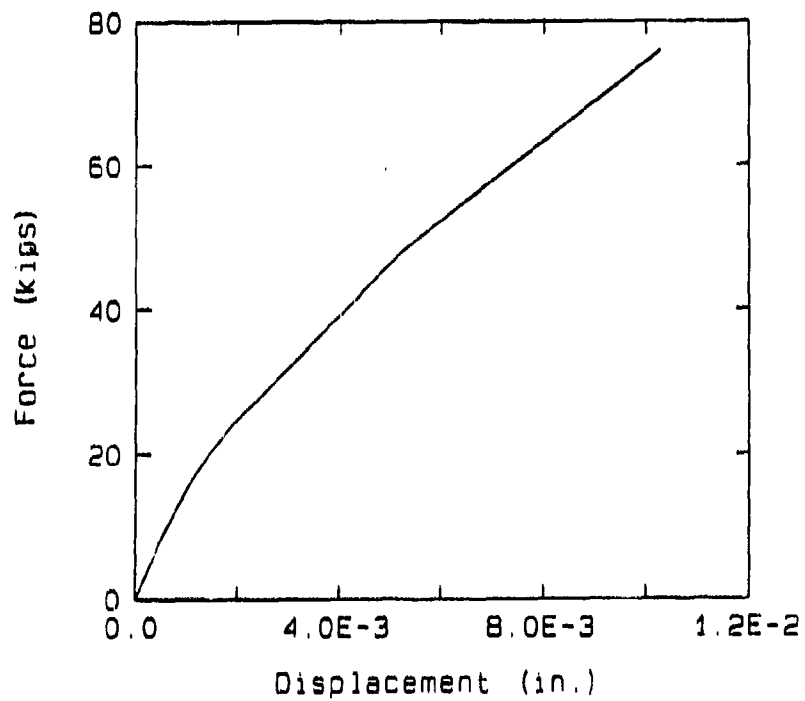
## S U M M A R Y   T A B L E \*\*\*\*\*

LATERAL LOAD (LBS)	BOUNDARY CONDITION BC2	AXIAL LOAD (LBS)	YT (IN)	ST (IN/IN)	MAX. MOMENT (IN-LBS)	MAX. STRESS (LBS/IN**2)
.400E+01	.000E+00	.000E+00	.331E-01	-.447E-03	.152E+03	.927E+00
.800E+01	.000E+00	.000E+00	.683E-01	-.919E-03	.312E+03	.191E+01
.120E+02	.000E+00	.000E+00	.106E+00	-.141E-02	.481E+03	.293E+01
.160E+02	.000E+00	.000E+00	.147E+00	-.196E-02	.666E+03	.406E+01
.200E+02	.000E+00	.000E+00	.197E+00	-.258E-02	.870E+03	.531E+01
.240E+02	.000E+00	.000E+00	.261E+00	-.332E-02	.111E+04	.676E+01
.480E+02	.000E+00	.000E+00	.724E+00	-.841E-02	.265E+04	.161E+02
.760E+02	.000E+00	.000E+00	.142E+01	-.156E-01	.467E+04	.285E+02

Lateral Pile Stiffness  
Soil Profile 2



Average Lateral Pile Stiffness  
Soil Profile 2

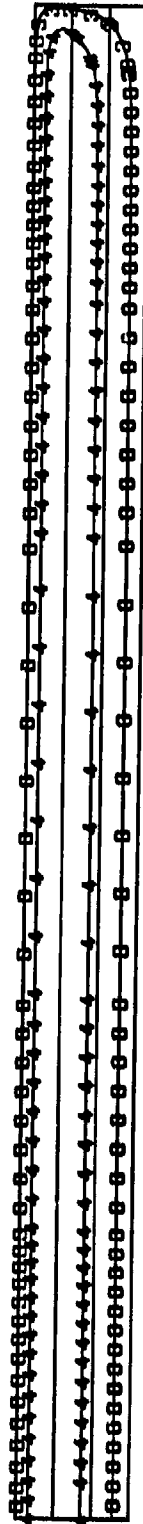


APPENDIX B: MIXTURE 11 TEMPERATURE CONTOUR PLOTS

TEMP  
VALUE

1	+7.00E+01
2	+7.60E+01
3	+8.20E+01
4	+8.80E+01
5	+9.40E+01
6	+1.00E+02

RUN OMSTDT1  
ambient temp. = 79 deg. F  
time = 30 days

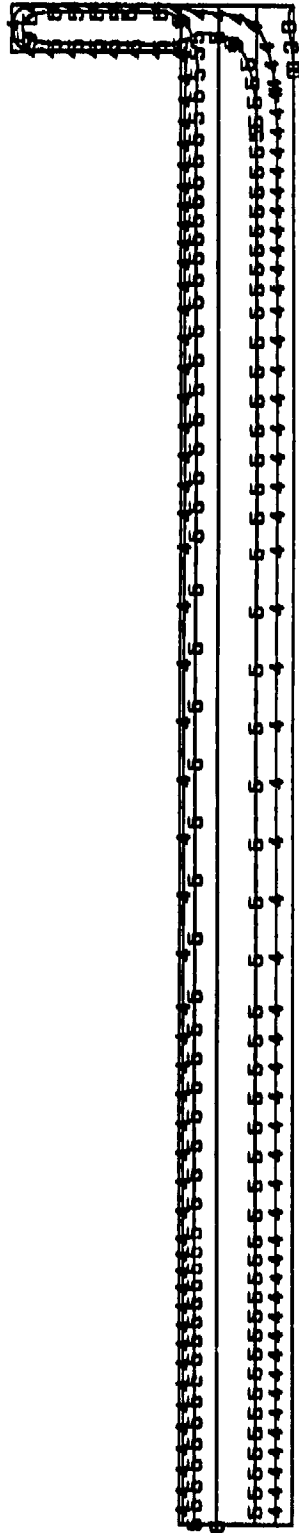


WFRAME, 60 DEG MIN PLMCT TEMP, JUNE 20 START, LIFTS 1\_3

TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +3.000E+01 STEP 9 INCREMENT 5

RUN OMSTDT1  
 ambient temp. = 78.75 deg. F  
 time = 35 days

TEMP  
 VALUE  
 1 +7.00E+01  
 2 +7.40E+01  
 3 +7.80E+01  
 4 +8.20E+01  
 5 +8.60E+01  
 6 +9.00E+01



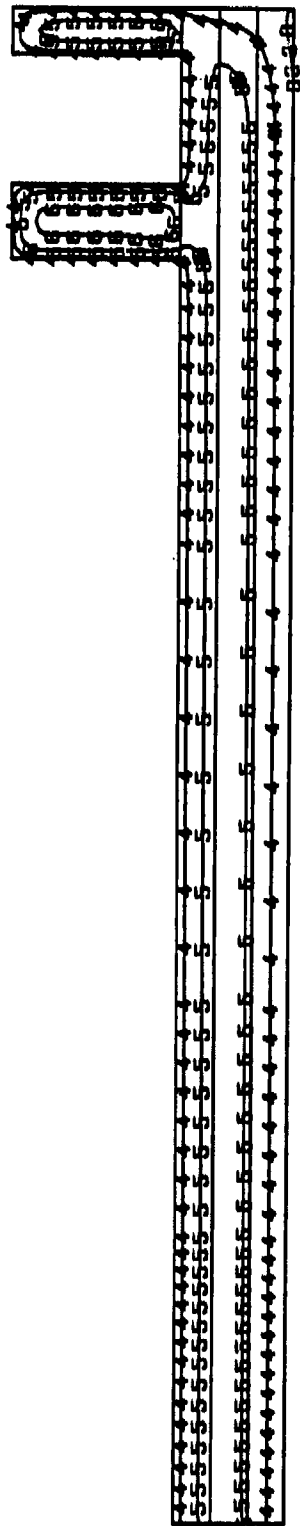
1  
 WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1\_5

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +3.500E+01 STEP 11 INCREMENT 6

TEMP  
VALUE

1 +7.00E+01  
2 +7.40E+01  
3 +7.80E+01  
4 +8.20E+01  
5 +8.60E+01  
6 +9.00E+01

RUN OMSTDT1  
ambient temp = 78.5 deg. F  
time = 40 days



1

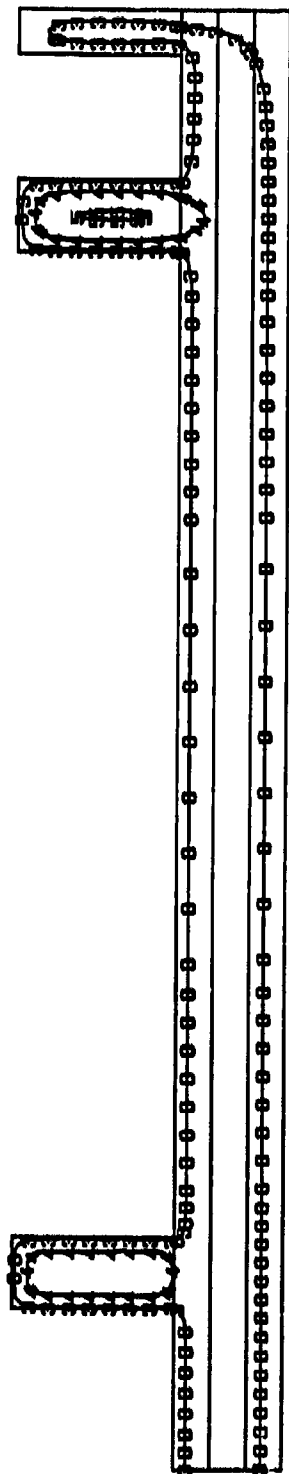
WFRAME, 60 DEG MIN PLGNT TEMP, JUNE 20 START, LIFTS L1\_6

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +4.000E+01 STEP 13 INCREMENT 6

TEMP  
VALUE

1	+7.00E+01
2	+7.50E+01
3	+8.20E+01
4	+8.80E+01
5	+9.40E+01
6	+1.00E+02

RUN OMSTDT1  
ambient temp. = 78 deg. F  
time = 45 days



1  
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, LIFTS L17

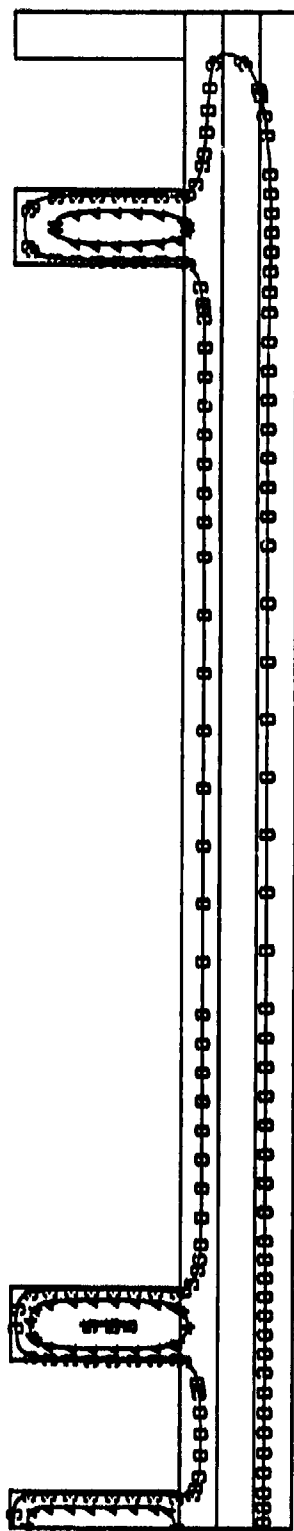
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +4.500E+01 STEP 15 INCREMENT 5



TEMP  
VALUE

1 +7.00E+01  
2 +7.50E+01  
3 +8.20E+01  
4 +8.80E+01  
5 +9.40E+01  
6 +1.00E+02

RUN OMSTDT1  
ambient temp. = 77.4 deg. F  
time = 50 days



1

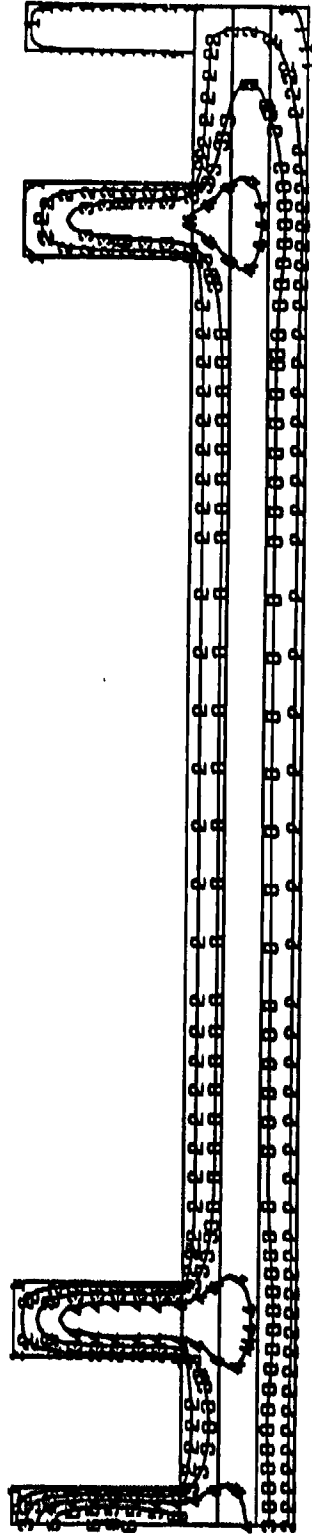
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1\_8

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +6.000E+01 STEP 17 INCREMENT 6

TEMP  
VALUE

1	+7.50E+01
2	+7.78E+01
3	+7.96E+01
4	+8.14E+01
5	+8.32E+01
6	+8.50E+01

RUN 0MSTDT1  
ambient temp = 75.7 days  
time = 65 days



1

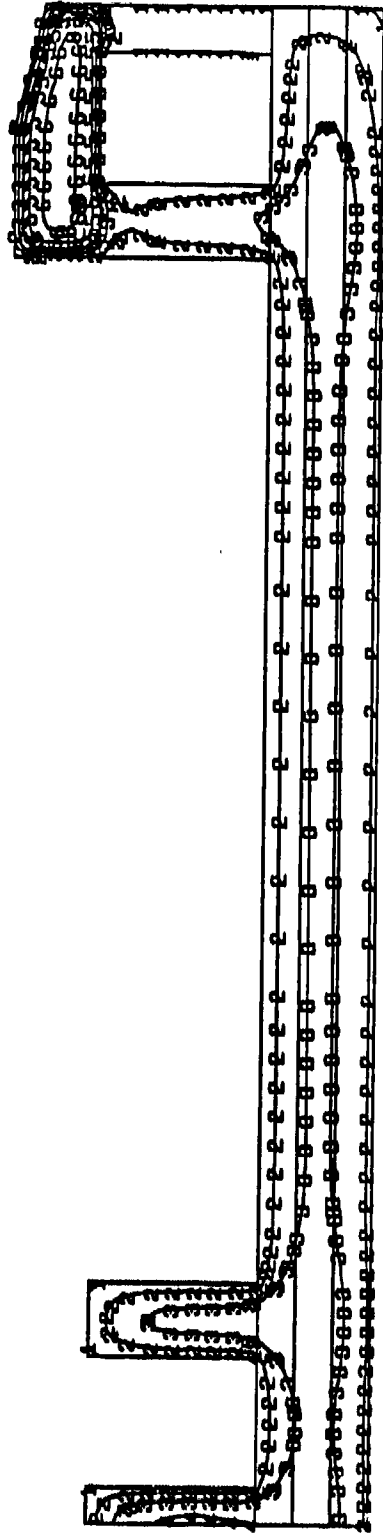
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, LIFTS 1\_8

TIME COMPLETED IN THIS STEP +1.500E+01 TOTAL ACCUMULATED TIME +6.500E+01 STEP 18 INCREMENT 15

TEMP  
VALUE

1	+7.50E+01
2	+7.72E+01
3	+7.94E+01
4	+8.16E+01
5	+8.38E+01
6	+8.60E+01

RUN OMSTDT1  
ambient temp = 74.7 deg. F  
time = 70 days



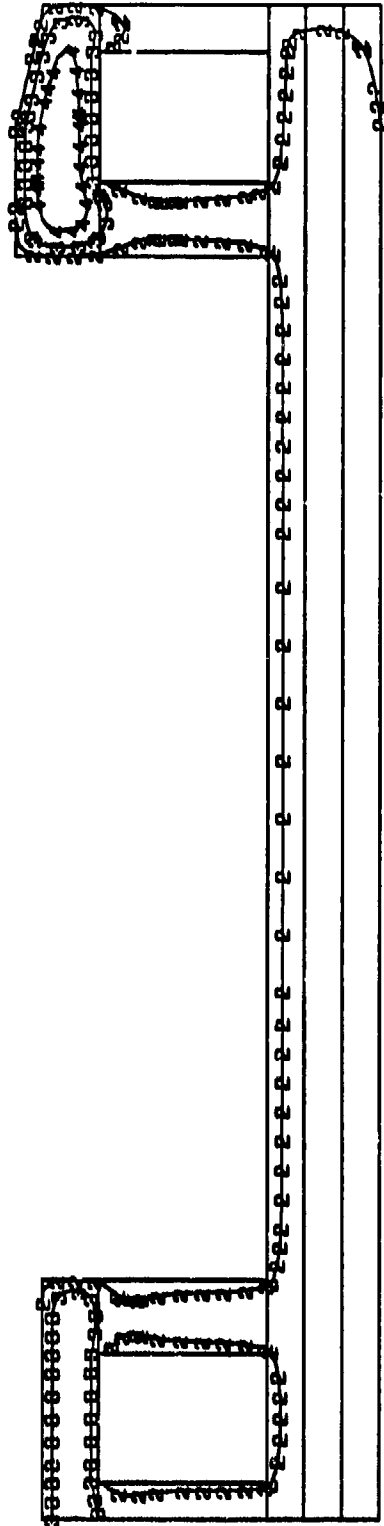
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1\_9

TIME COMPLETED IN THIS STEP +5.000E-01 TOTAL ACCUMULATED TIME +7.000E+01 STEP 21 INCREMENT 1

TEMP  
VALUE

1 +7.00E+01  
2 +7.60E+01  
3 +8.20E+01  
4 +8.80E+01  
5 +9.40E+01  
6 +1.00E+02

RUN OMSTDT1  
ambient temp = 73.2 deg. F  
time = 75 days



1

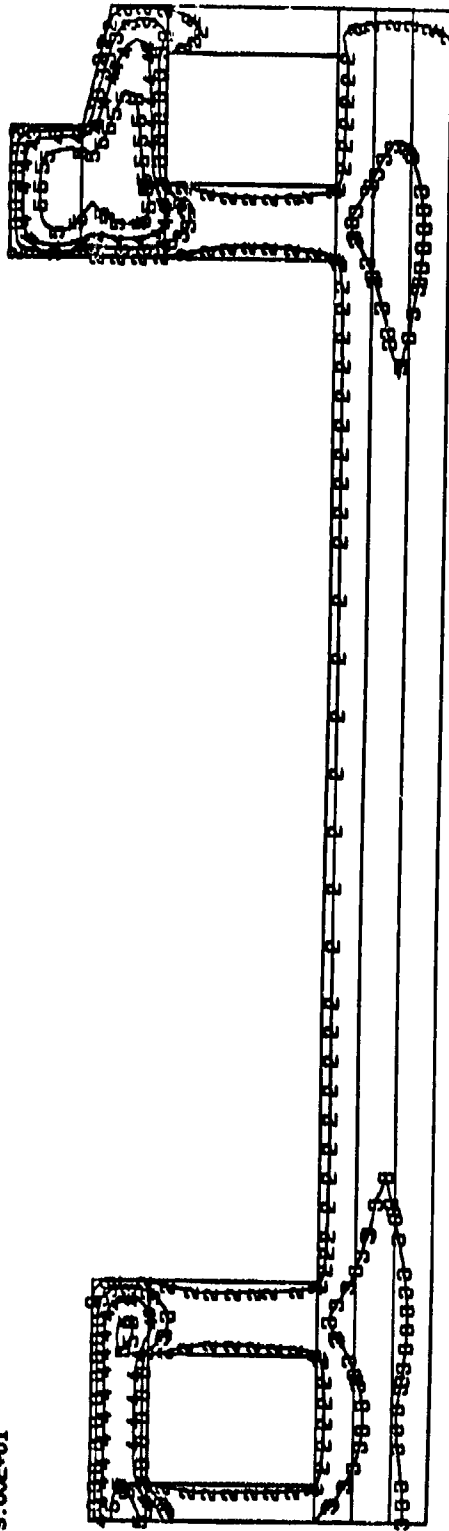
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1\_10

TIME COMPLETED IN THIS STEP +5.000E-01 TOTAL ACCUMULATED TIME +7.500E+01 STEP 24 INCREMENT 1

TEMP  
VALUE

1 +7.00E+01  
2 +7.40E+01  
3 +7.80E+01  
4 +8.20E+01  
5 +8.60E+01  
6 +9.00E+01

RUN OMSTDT1  
ambient temp = 71.9 deg. F  
time = 80 days



1

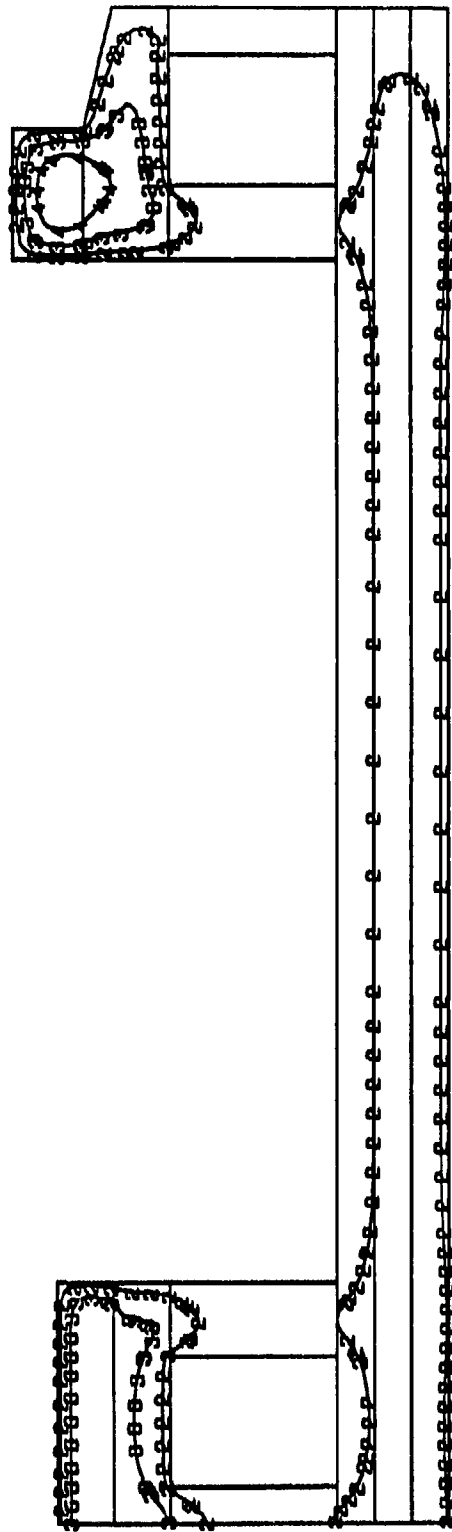
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1\_11

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +8.000E+01 STEP 16 INCREMENT 6

TEMP  
VALUE

1 +7.63E+01  
2 +7.60E+01  
3 +8.20E+01  
4 +8.80E+01  
5 +9.40E+01  
6 +1.00E+02

RUN ONSTD1  
ambient temp. = 70.9 deg. F  
time = 85 days



1

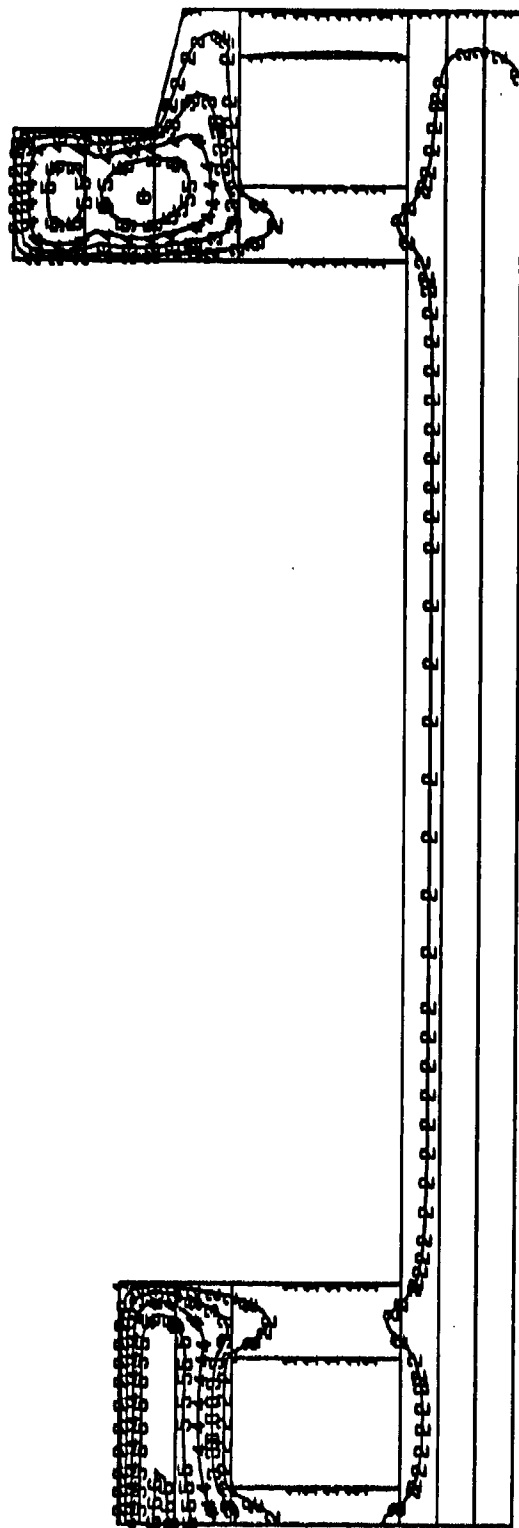
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1\_12

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +8.500E+01 STEP 28 INCREMENT 6

TEMP  
VALUE

1	+7.00E+01
2	+7.40E+01
3	+7.80E+01
4	+8.20E+01
5	+8.60E+01
6	+9.00E+01

RUN 045TDT1  
ambient temp. = 69.3 deg. F  
time = 90 days



1

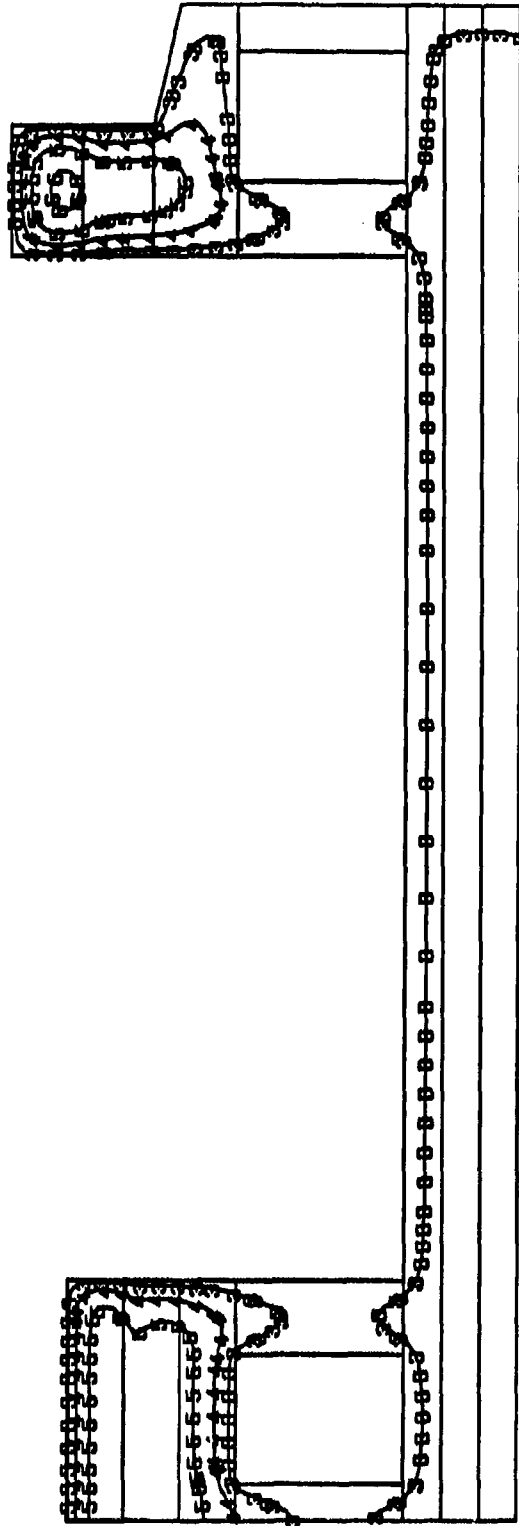
WFRAME, 60 DEG MIN PLMT TEMP, JUNE 20 START, L1\_13

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.000E+01 STEP 30 INCREMENT 6

TEMP  
VALUE

1 +6.00E+01  
2 +6.60E+01  
3 +7.20E+01  
4 +7.80E+01  
5 +8.40E+01  
6 +9.00E+01

RUN OMSTDT1  
ambient temp. = 67 deg. F  
time = 95 days



B14

1  
WFRAME, 60 DEG MIN PLGNT TEMP, JUNE 20 START, L1\_14

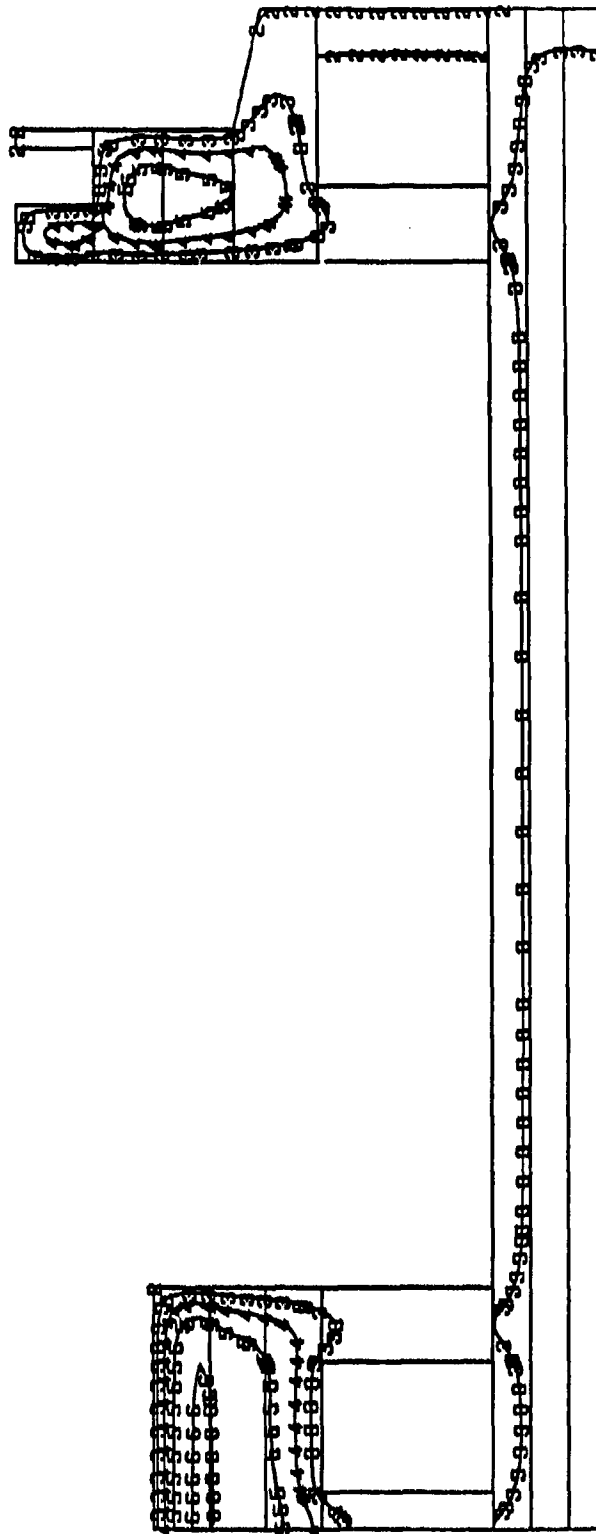
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.600E+01 STEP 32 INCREMENT 6



TEMP  
VALUE

1	+6.00E+01
2	+6.60E+01
3	+7.20E+01
4	+7.80E+01
5	+8.40E+01
6	+9.00E+01

RUN 0MSTDT1  
ambient temp = 65.4 deg. F  
time = 100 days



1  
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1\_15

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.000E+02 STEP 34 INCREMENT 6

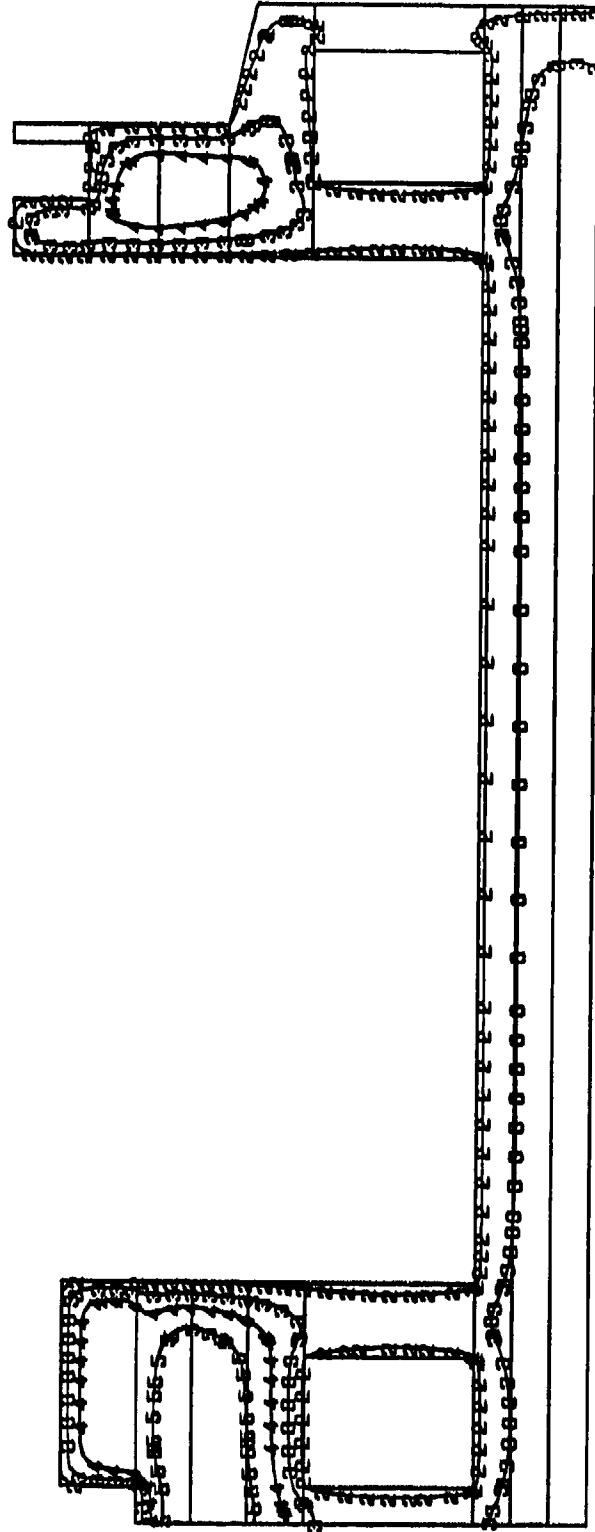
TEMP  
VALUE

1	+6.00E+01
2	+6.50E+01
3	+7.20E+01
4	+7.80E+01
5	+8.40E+01
6	+9.00E+01

RUN ONSTDT1

ambient temp. = 63.5 deg. F

time = 105 days



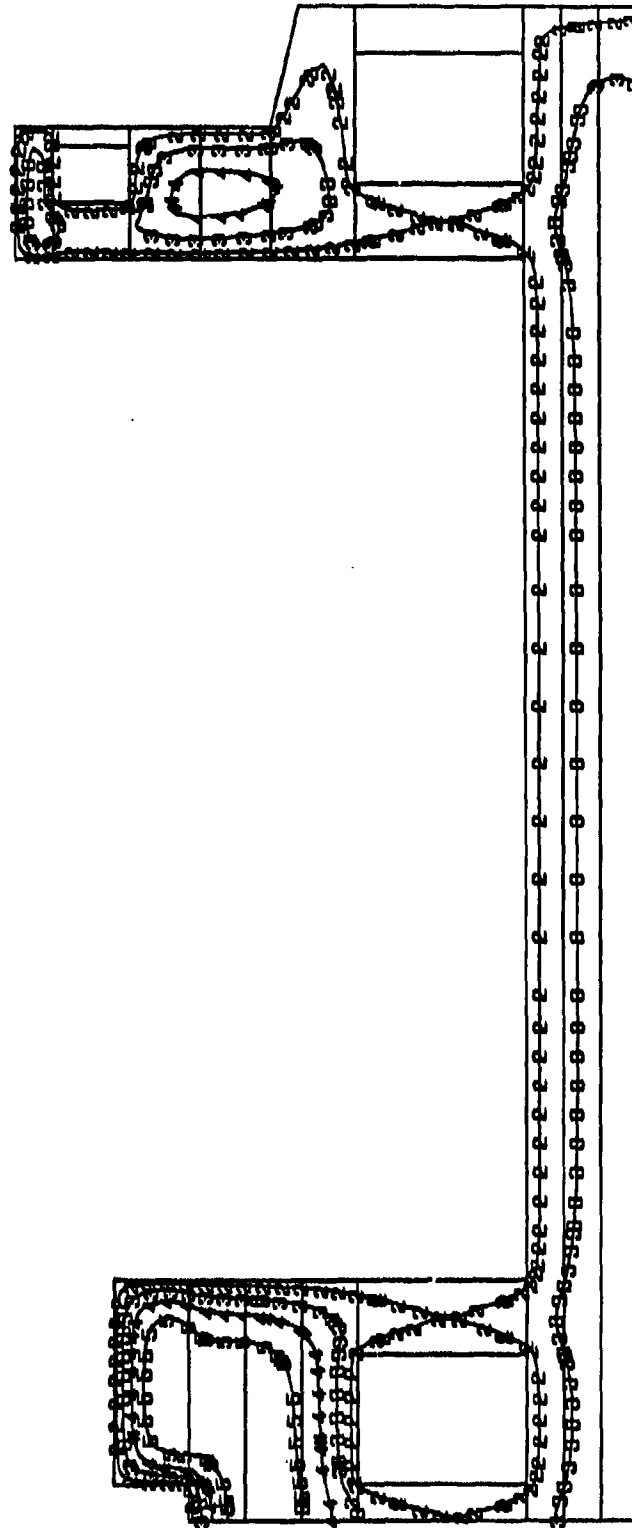
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1\_16

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.050E+02 ■ STEP 36 INCREMENT 6

TEMP  
VALUE

1 +6.00E+01  
2 +6.60E+01  
3 +7.20E+01  
4 +7.80E+01  
5 +8.40E+01  
6 +9.00E+01

RUN OMSTDT1  
ambient temp = 61.3 deg. F  
time = 110 days



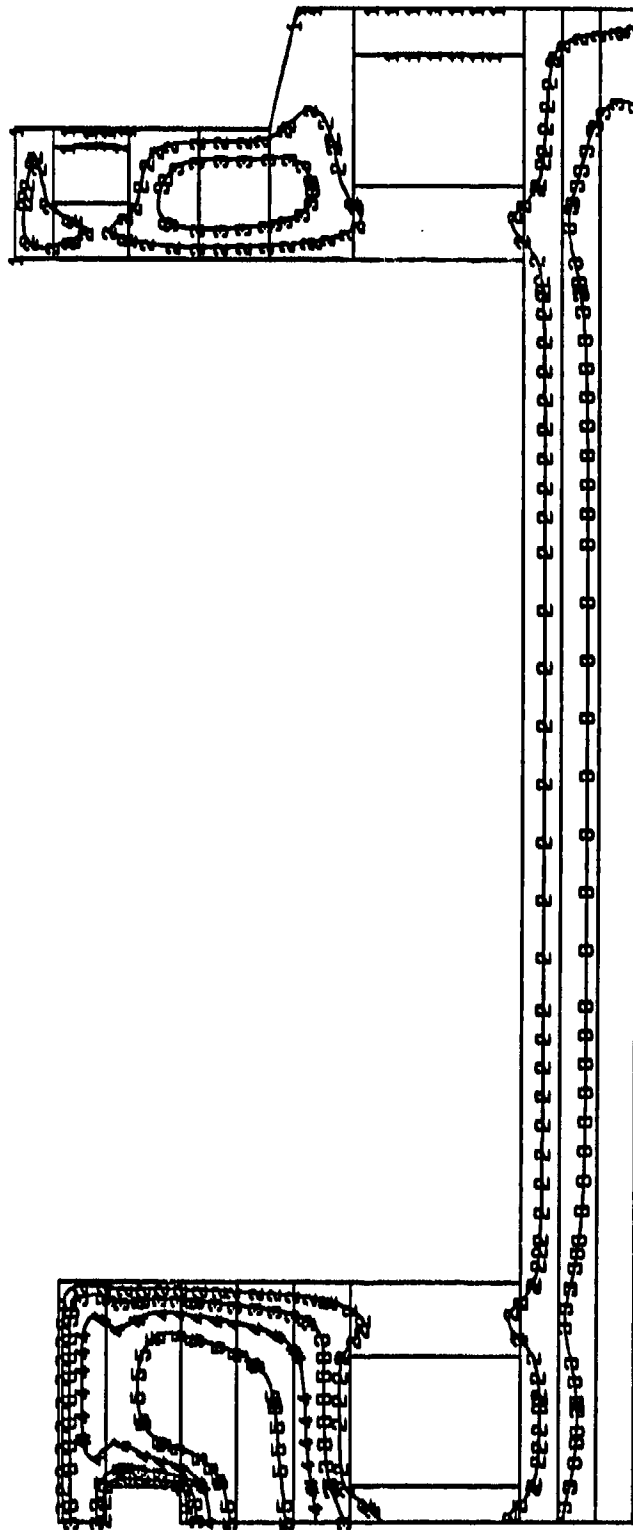
1  
WFRAME, 60 DEG MIN PLMT TEMP, JUNE 20 START, L1\_17

TIME COMPLETED IN THIS STEP +5.000E-01 TOTAL ACCUMULATED TIME +1.100E+02 STEP 39 INCREMENT 1

TEMP  
VALUE

1 +6.00E+01  
2 +6.60E+01  
3 +7.20E+01  
4 +7.80E+01  
5 +8.40E+01  
6 +9.00E+01

RUN 04STDT1  
ambient temp = 59.6 deg. F  
time = 115 days



1

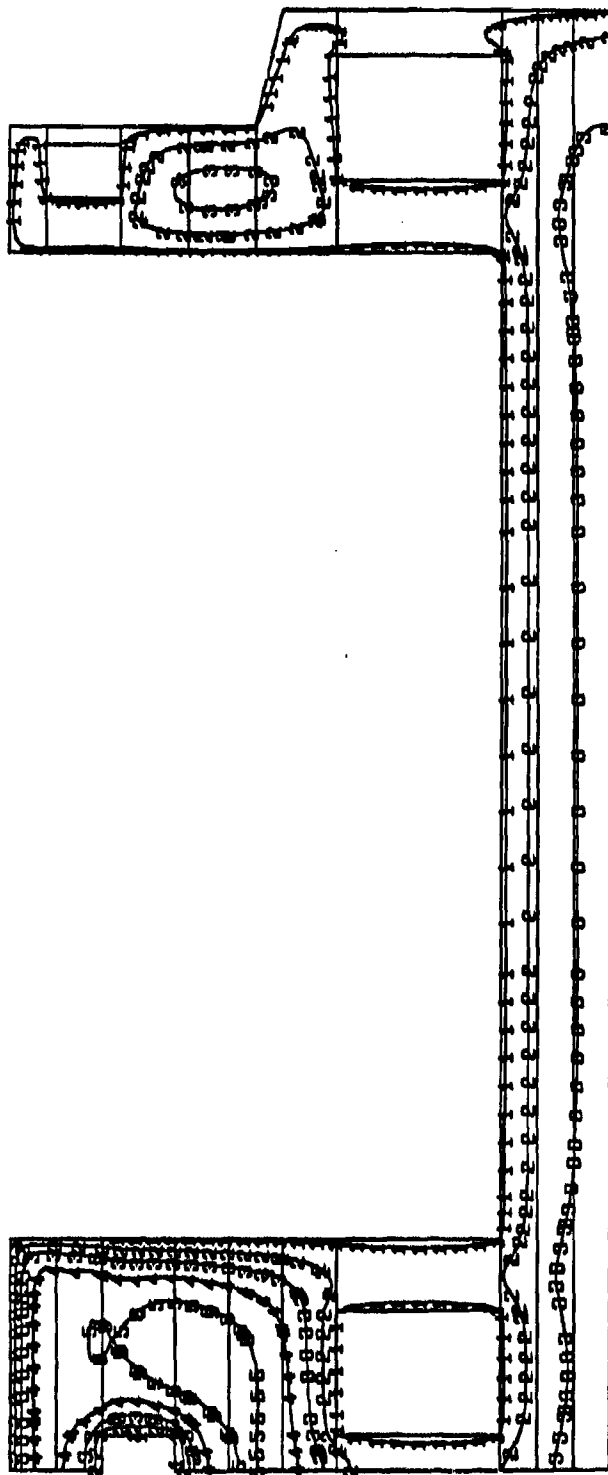
WFRAME, 60 DEG MIN PLMT TEMP, JUNE 20 START, L1\_18

TIME COMPLETED IN THIS STEP +6.000E-01 TOTAL ACCUMULATED TIME +1.150E+02 STEP 42 INCREMENT 1

TEMP  
VALUE

1	+6.00E+01
2	+6.60E+01
3	+7.20E+01
4	+7.80E+01
5	+8.40E+01
6	+9.00E+01

RUN OMSTDT1  
ambient temp = 58 deg. F  
time = 120 days



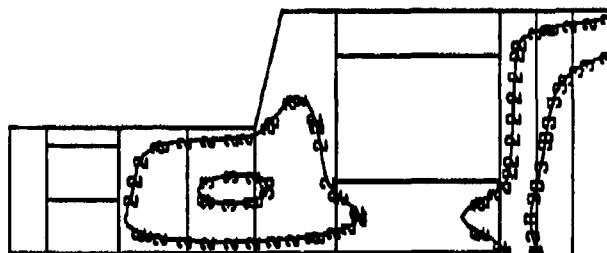
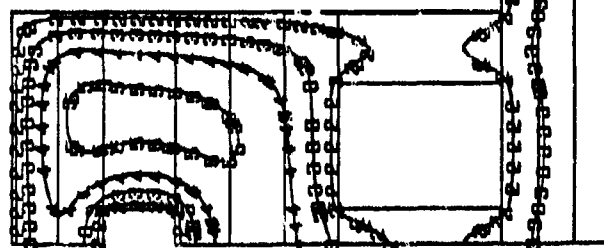
WFRAME, 60 DEG MIN PLMT TEMP, JUNE 20 START, L1\_19

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.200E+02 STEP 44 INCREMENT 6

TEMP  
VALUE

1	+5.30E+01
2	+5.80E+01
3	+6.60E+01
4	+7.40E+01
5	+8.20E+01
6	+9.00E+01

RUN OMSTDT1  
ambient temp = 52 deg. F  
time = 133 days



B20

1  
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, LIFTS 1\_19  
TIME COMPLETED IN THIS STEP +1.300E+02 TOTAL ACCUMULATED TIME +1.530E+02 STEP 45 INCREMENT 13

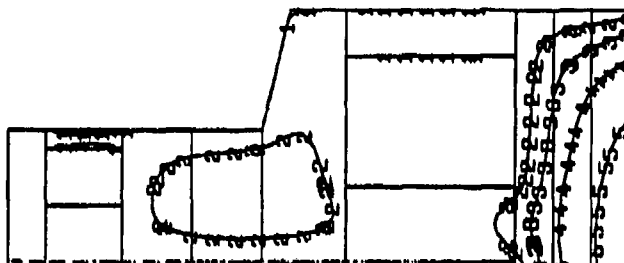
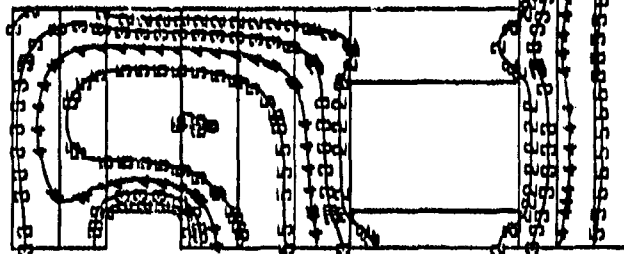
TEMP  
VALUE

1 +4.00E+01  
2 +4.60E+01  
3 +5.20E+01  
4 +5.80E+01  
5 +6.40E+01  
6 +7.00E+01

RUN OMSTDT1

ambient temp = 39.5 deg. F

time = 170 days



1

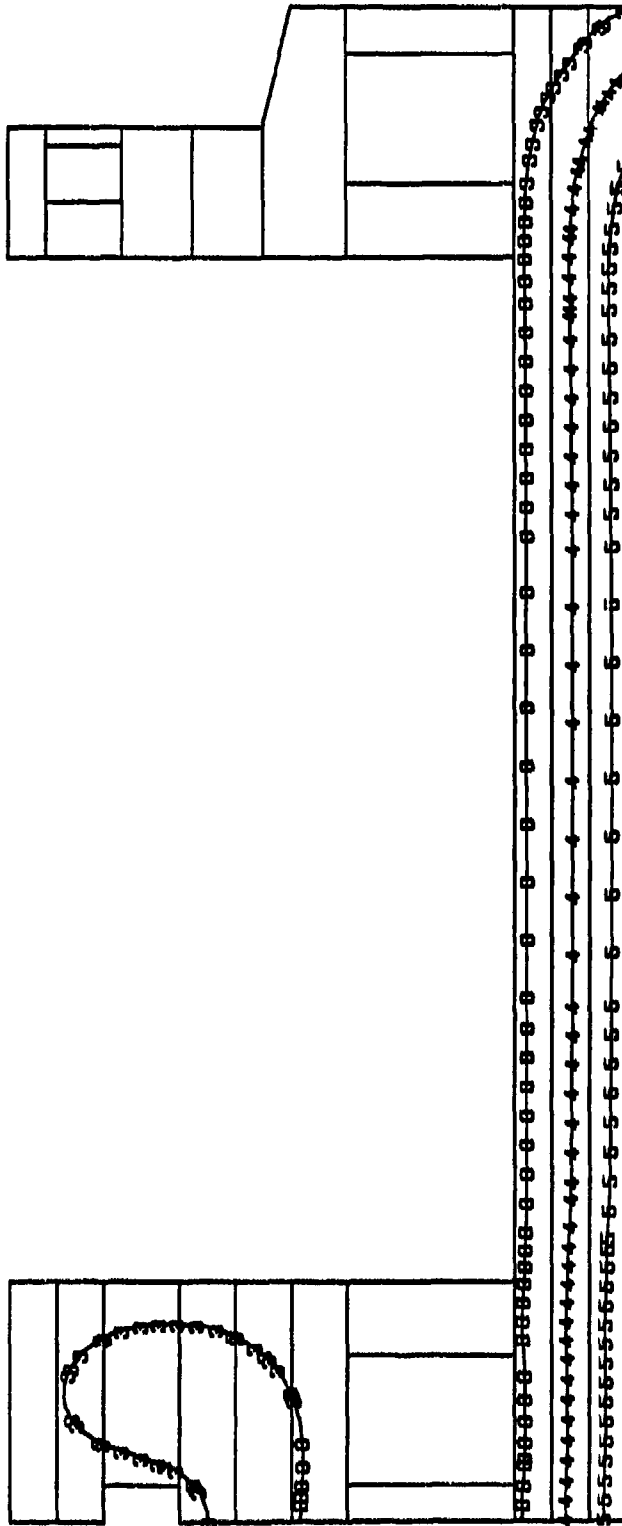
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1\_19

TIME COMPLETED IN THIS STEP +3.700E+01 TOTAL ACCUMULATED TIME +1.700E+02 STEP 46 INCREMENT 37

TEMP  
VALUE

1 +3.00E+01  
2 +3.60E+01  
3 +4.20E+01  
4 +4.80E+01  
5 +5.40E+01  
6 +6.00E+01

RUN OMSTDT1  
ambient temp = 41 deg. F  
time = 254 days



B22

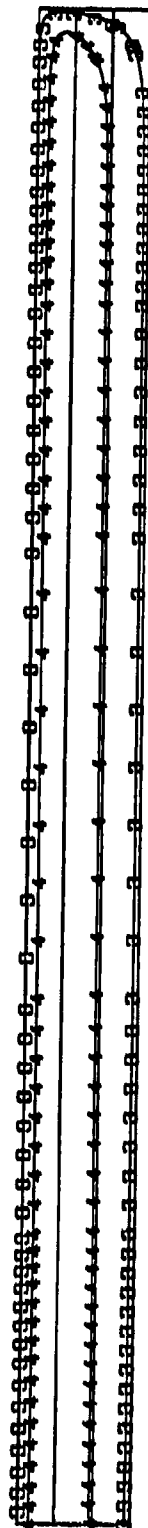
1  
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1\_19  
TIME COMPLETED IN THIS STEP +8.400E+01 TOTAL ACCUMULATED TIME +2.540E+02 STEP 47 INCREMENT 42



TEMP  
VALUE

1 +7.00E+01  
2 +7.60E+01  
3 +8.20E+01  
4 +8.80E+01  
5 +9.40E+01  
6 +1.00E+02

RUN OMSTDT2  
ambient temp. = 79 deg. F  
time = 30 days



B23

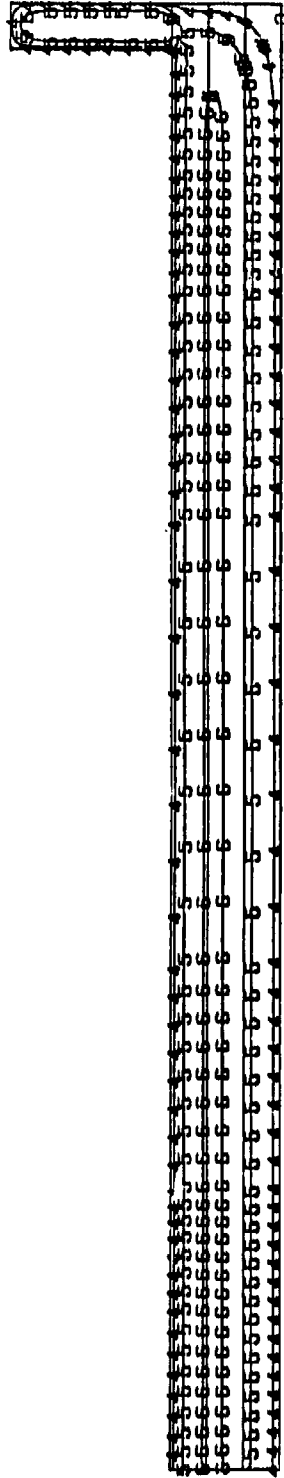
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, LIFTS 1\_3

TIME PROB ETEN IN TIME STEP +5 OMME+00 TOTAL ACCUMULATED TIME +3 OMME+01 STEP 9 INCREMENT 5

TEMP  
VALUE

1	+7.00E+01
2	+7.40E+01
3	+7.80E+01
4	+8.20E+01
5	+8.60E+01
6	+9.00E+01

RUN OMSTDT2  
ambient temp. = 78.75 deg. F  
time = 35 days



B24

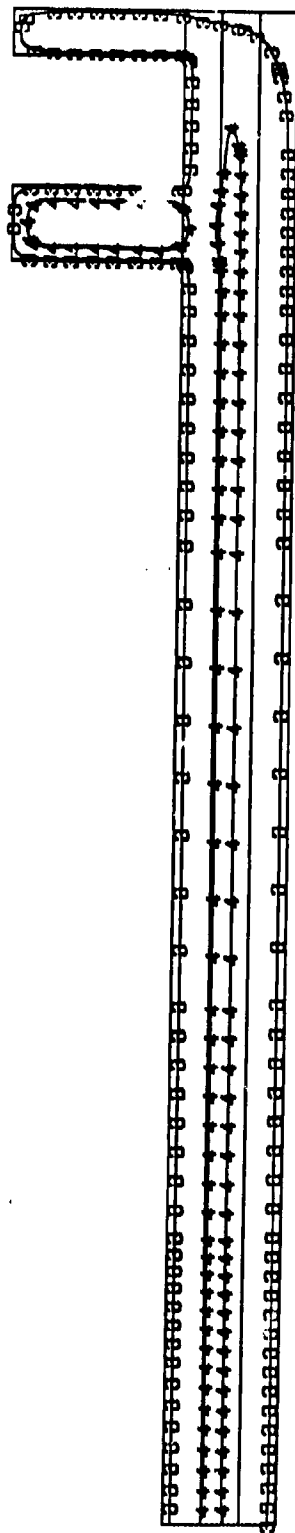
1  
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1\_5

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +3.600E+01 STEP 11 INCREMENT 6

TEMP  
VALUE

1	+7.00E+01
2	+7.60E+01
3	+8.20E+01
4	+8.80E+01
5	+9.40E+01
6	+1.00E+02

RUN OMSTDT2  
ambient temp. = 78.5 deg. F  
time = 40 days

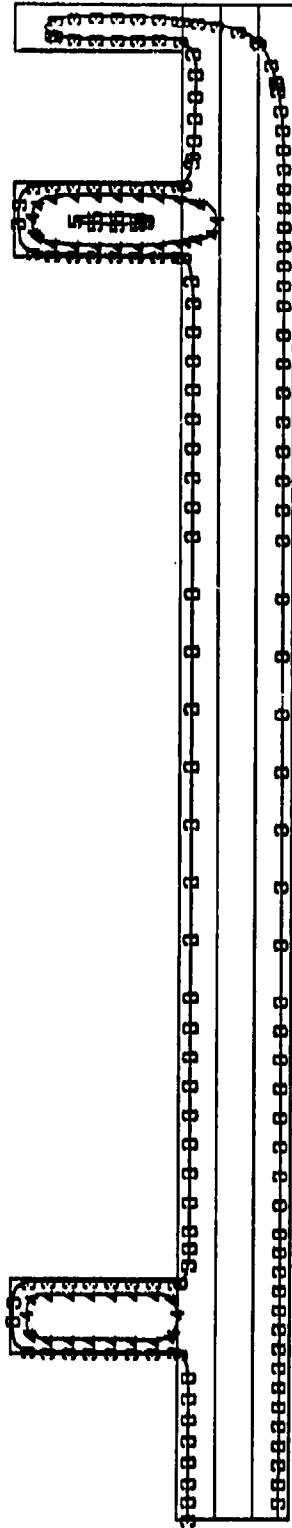


WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, LIFTS L1\_6  
TIME (MIN) STEP IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +4.300E+01 STEP 13 INCREMENT 6

TEMP  
VALUE

1	+7.00E+01
2	+7.50E+01
3	+8.20E+01
4	+8.80E+01
5	+9.40E+01
6	+1.00E+02

RUN OMSTDT2  
ambient temp. = 78 deg. F  
time = 45 days



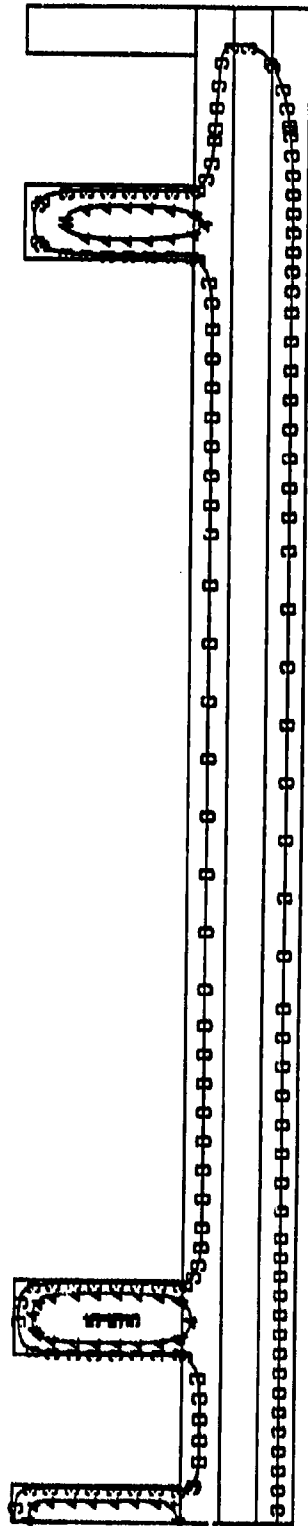
B26

1  
WFRAME, 60 DEG MIN PLMT TEMP, JUNE 20 START, LIFTS L1\_7  
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +4.500E+01 STEP 15 INCREMENT 6

TEMP  
VALUE

1 +7.00E+01  
2 +7.60E+01  
3 +8.20E+01  
4 +8.80E+01  
5 +9.40E+01  
6 +1.00E+02

RUN OMSTDT2  
ambient temp. = 77.4 deg. F  
time = 50 days



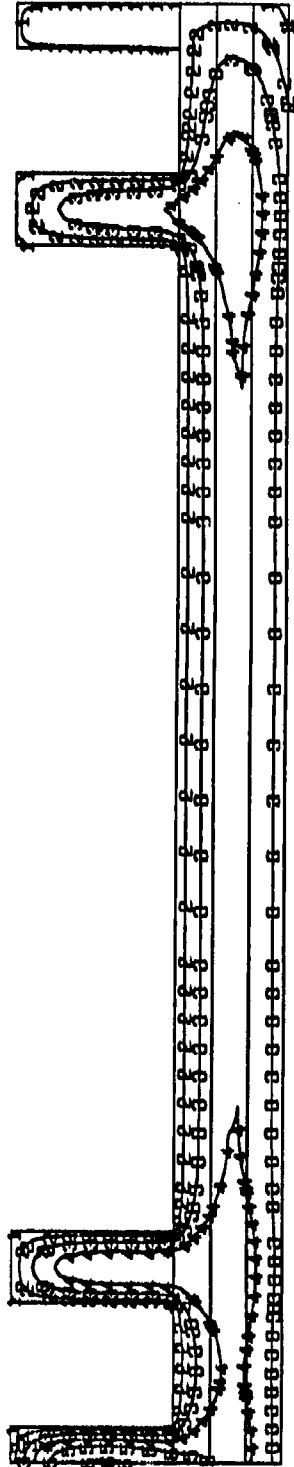
1  
WFRAME, 60 DEG MIN PLGNT TEMP, JUNE 20 START, L1\_8

TIME FOUR ETER IN THIS STEP 42 000E+00 TOTAL ACCUMULATED TIME 45 000E+01 STEP 17 INCREMENT 5

TEMP  
VALUE

1	+7.50E+01
2	+7.78E+01
3	+7.98E+01
4	+8.14E+01
5	+8.32E+01
6	+8.50E+01

RUN ONSTD2  
ambient temp. = 75.7 deg. F  
time = 65 days



1

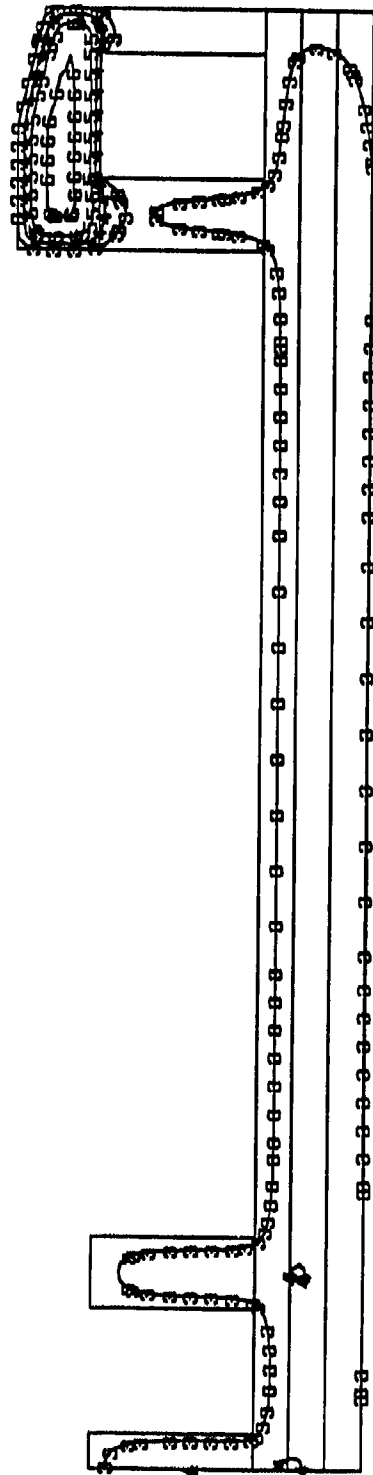
WFRAME, 60 DEG MIN PLMT TEMP, JUNE 20 START, LIFTS 1\_8

TIME COMPLETED IN THIS STEP +1.500E+01 TOTAL ACCUMULATED TIME +6.500E+01 STEP 18 INCREMENT 15

TEMP  
VALUE

1	+7.00E+01
2	+7.40E+01
3	+7.80E+01
4	+8.20E+01
5	+8.60E+01
6	+9.00E+01

RUN OMSTDY2  
ambient temp. = 74.7 deg. F  
time = 70 days



B29

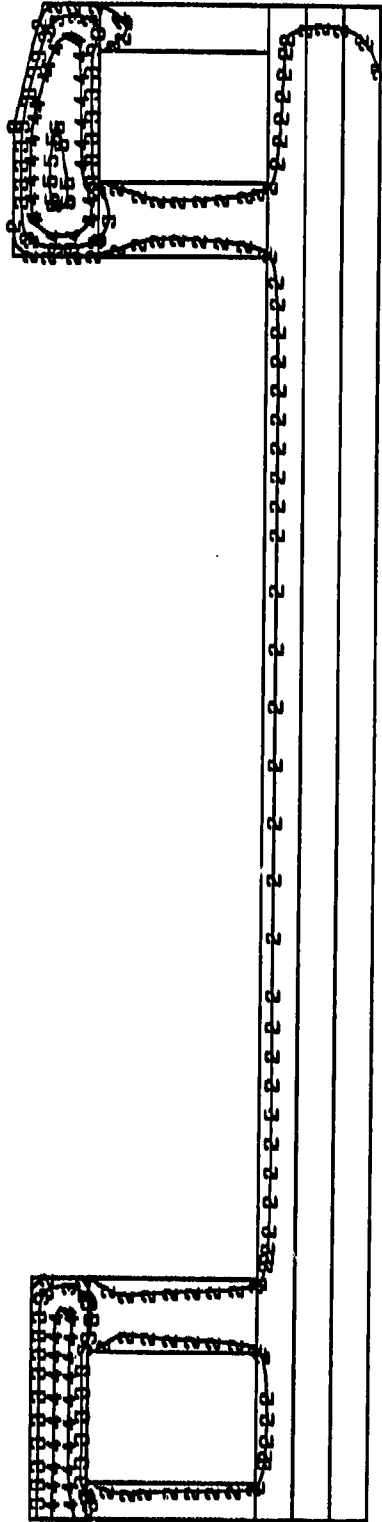
1  
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1\_9

TIME COMPLETED IN THIS STEP +5.000E-01 TOTAL ACCUMULATED TIME +7.000E+01 STEP 21 INCREMENT 1

TEMP  
VALUE

1	+7.00E+01
2	+7.60E+01
3	+8.20E+01
4	+8.80E+01
5	+9.40E+01
6	+1.00E+02

RUN OMSTDT2  
ambient temp. = 73.2 deg. F  
time = 75 days



B30

1

WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1\_10

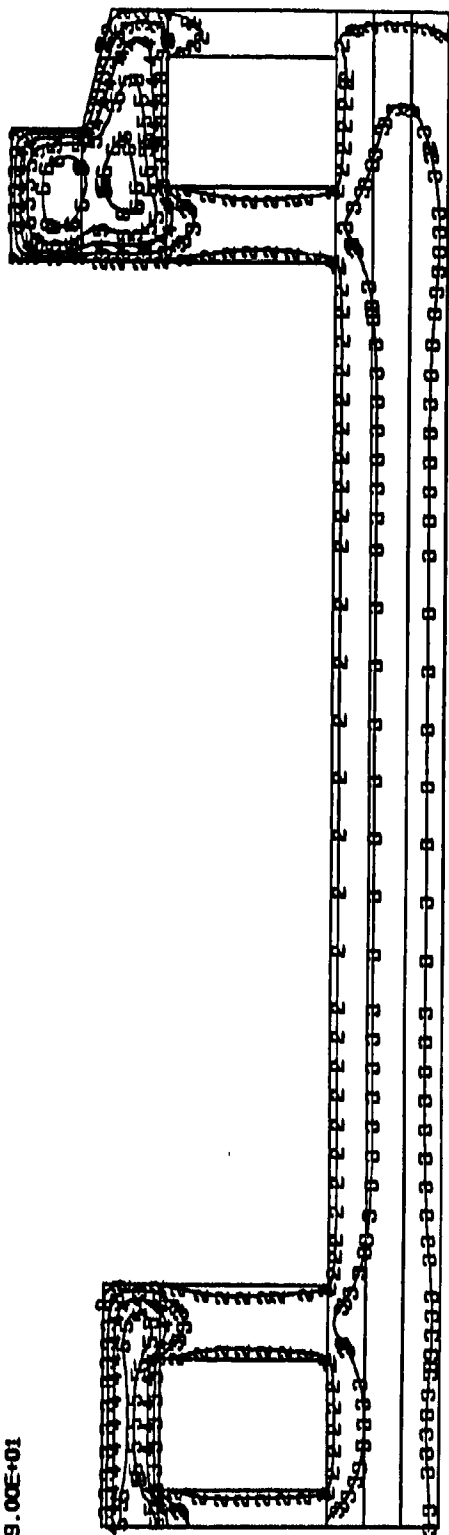
TIME COMPLETED IN THIS STEP +5.000E-01 TOTAL ACCUMULATED TIME +7.600E+01 STEP 24 INCREMENT 1



TEMP  
VALUE

1	+7.00E+01
2	+7.40E+01
3	+7.80E+01
4	+8.20E+01
5	+8.60E+01
6	+9.00E+01

RUN 045TDY2  
ambient temp. = 71.9 deg. F  
time = 80 days



B31

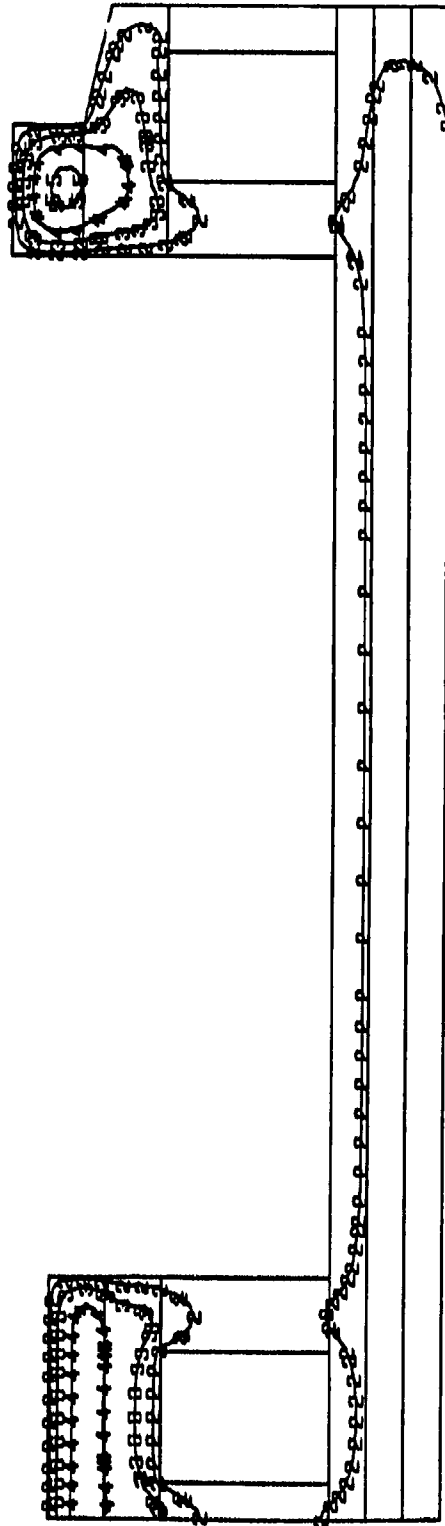
1  
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1\_11

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +8.000E+01 STEP 26 INCREMENT 6

TEMP  
VALUE

1	+7.00E+01
2	+7.60E+01
3	+8.20E+01
4	+8.80E+01
5	+9.40E+01
6	+1.00E+02

RUN OMSTDT2  
ambient temp. = 70.9 deg. F  
time = 85 days



1

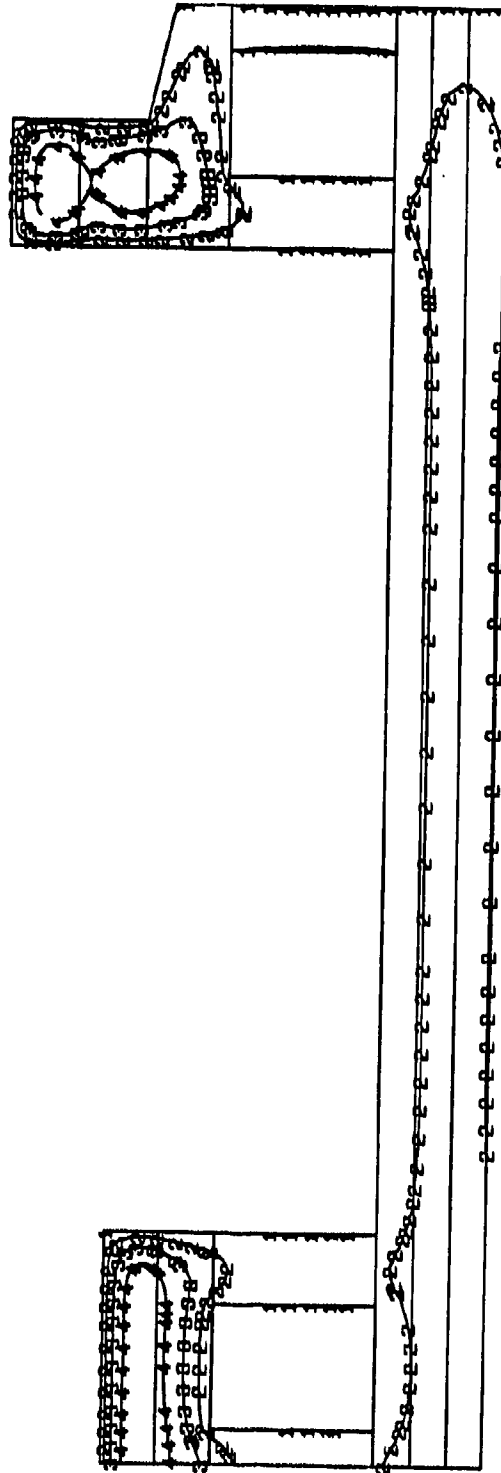
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1\_12

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +8.600E+01 STEP 26 INCREMENT 6

TEMP  
VALUE

1	+7.00E+01
2	+7.50E+01
3	+8.20E+01
4	+8.80E+01
5	+9.40E+01
6	+1.00E+02

RUN OMSTDT2  
ambient temp = 69.3 deg. F  
time = 90 days



1

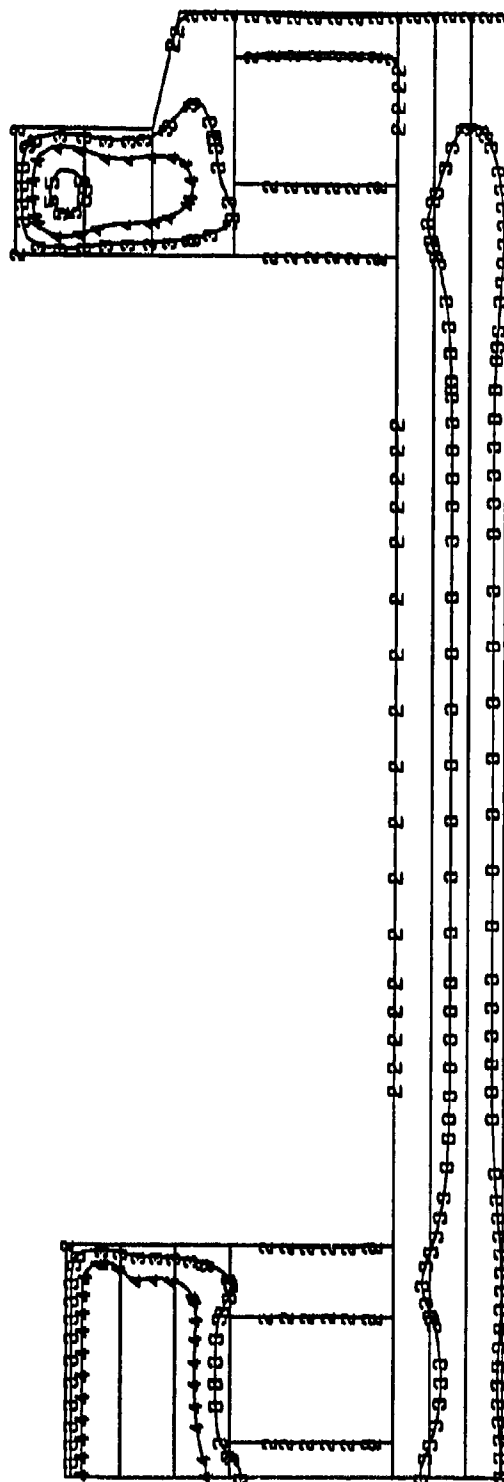
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1\_13

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.000E+01 STEP 30 INCREMENT 6

TEMP  
VALUE

1	+6.00E+01
2	+6.80E+01
3	+7.60E+01
4	+8.40E+01
5	+9.20E+01
6	+1.00E+02

RUN OMSTDY2  
ambient temp = 67 deg. F  
time = 95 days



B34

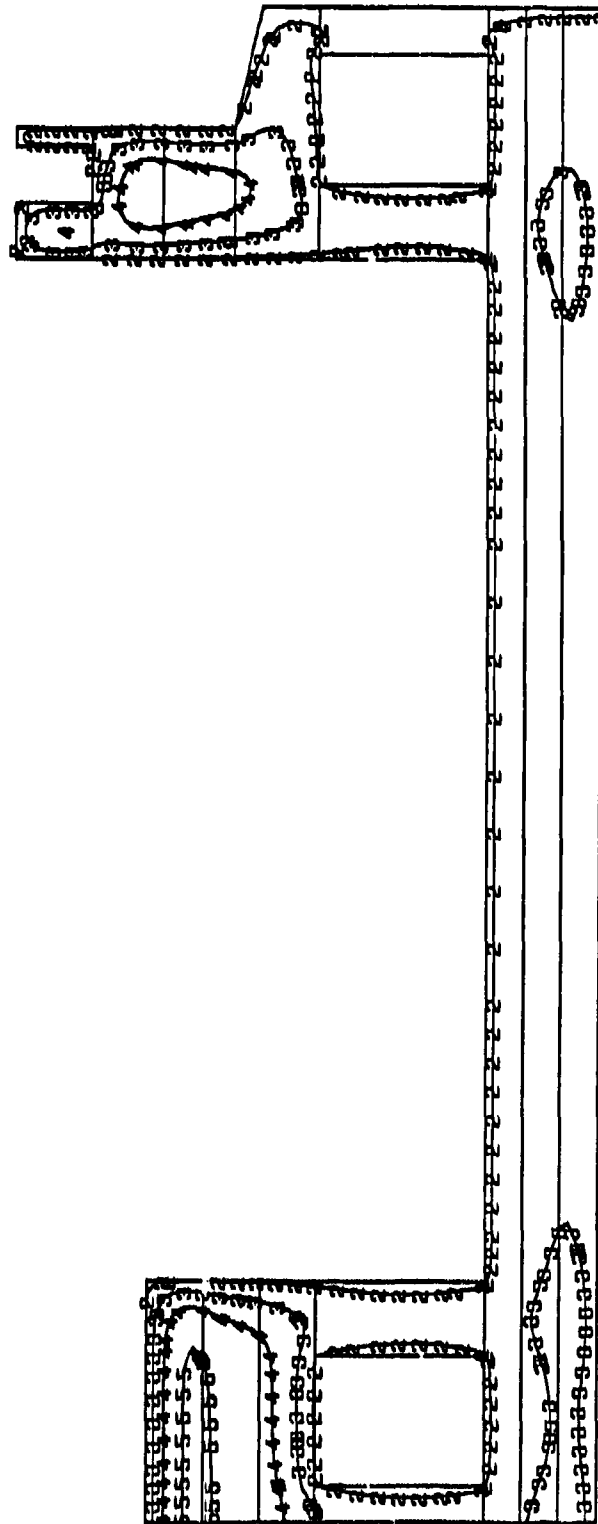
1  
WFRAME, 60 DEG MIN PLMT TEMP, JUNE 20 START, L1\_14

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.500E+01 STEP 32 INCREMENT 6

TEMP  
VALUE

1	+6.00E+01
2	+6.80E+01
3	+7.50E+01
4	+8.40E+01
5	+9.20E+01
6	+1.00E+02

RUN 0MSTDT2  
ambient temp = 65.4 deg. F  
time = 100 days



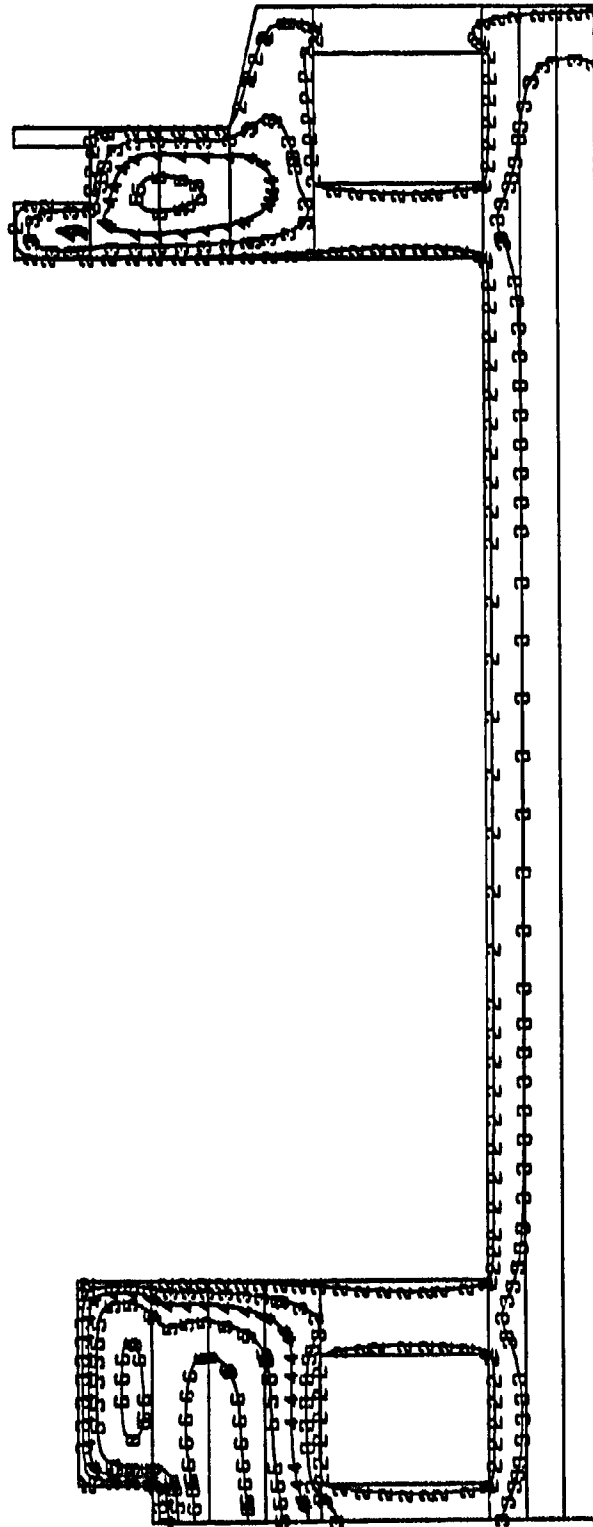
1  
WFRAME, 60 DEG MIN PLMT TEMP, JUNE 20 START, L1\_15

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.000E+02 STEP 34 INCREMENT 6

TEMP  
VALUE

1	+6.00E+01
2	+6.60E+01
3	+7.20E+01
4	+7.80E+01
5	+8.40E+01
6	+9.00E+01

RUN OMSTDY2  
ambient temp = 63.5 deg. F  
time = 105 days



B36

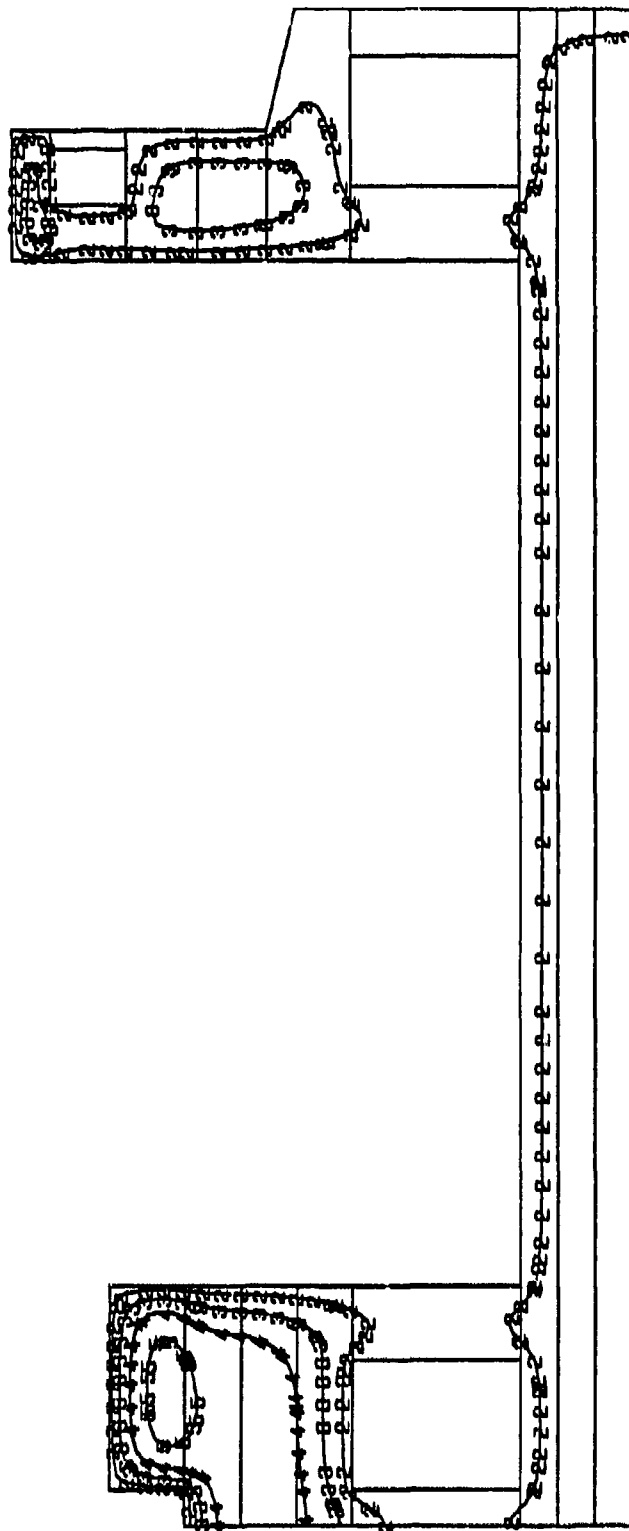
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1\_16

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.050E+02 ■ STEP 36 INCREMENT 6

TEMP  
VALUE

1	+6.00E+01
2	+6.80E+01
3	+7.60E+01
4	+8.40E+01
5	+9.20E+01
6	+1.00E+02

RUN OMSTDT2  
ambient temp. = 61.5 deg. F  
time = 110 days



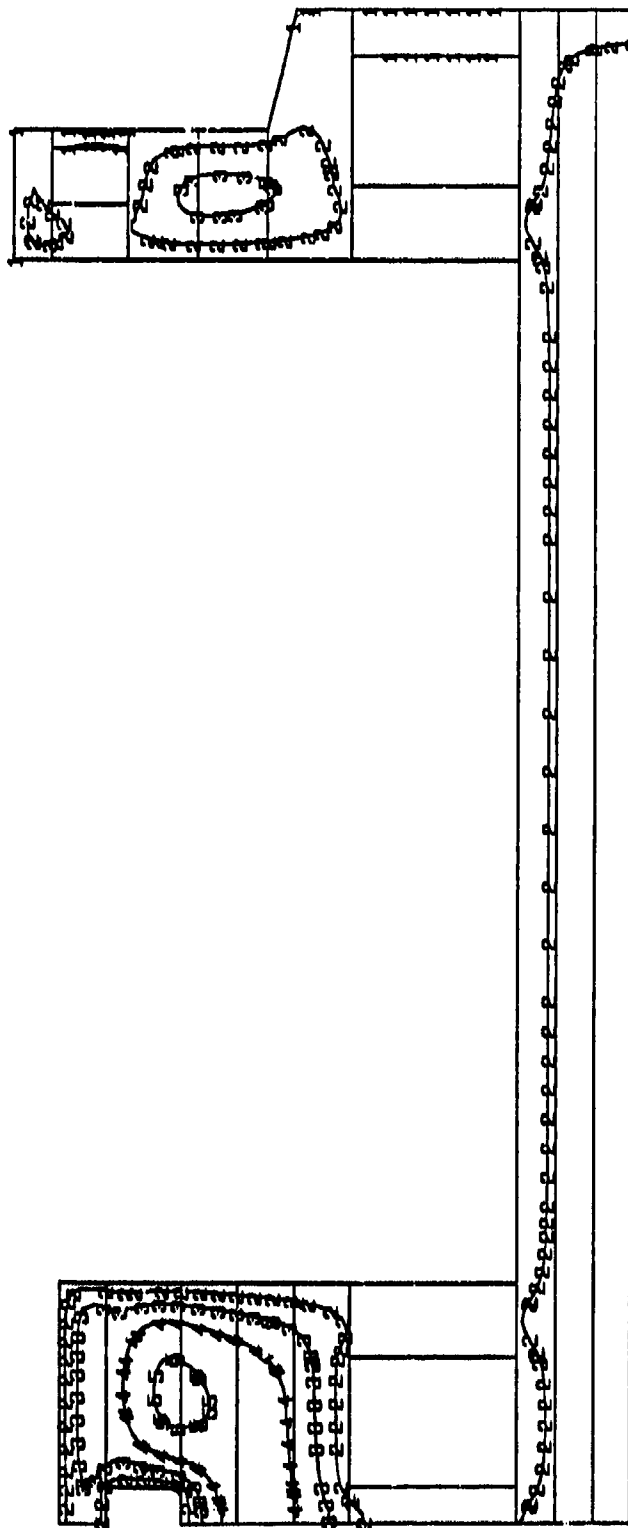
B37

1  
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1\_17  
TIME COMPLETED IN THIS STEP +5.000E-01 TOTAL ACCUMULATED TIME +1.100E+02 STEP 39 INCREMENT 1

TEMP  
VALUE

1	+6.00E+01
2	+6.80E+01
3	+7.63E+01
4	+8.40E+01
5	+9.20E+01
6	+1.00E+02

RUN OMSTDT2  
ambient temp = 59.6 deg. F  
time = 115 days



1

WFRAME, 60 DEG MIN PLMT TEMP, JUNE 20 START, L1\_18

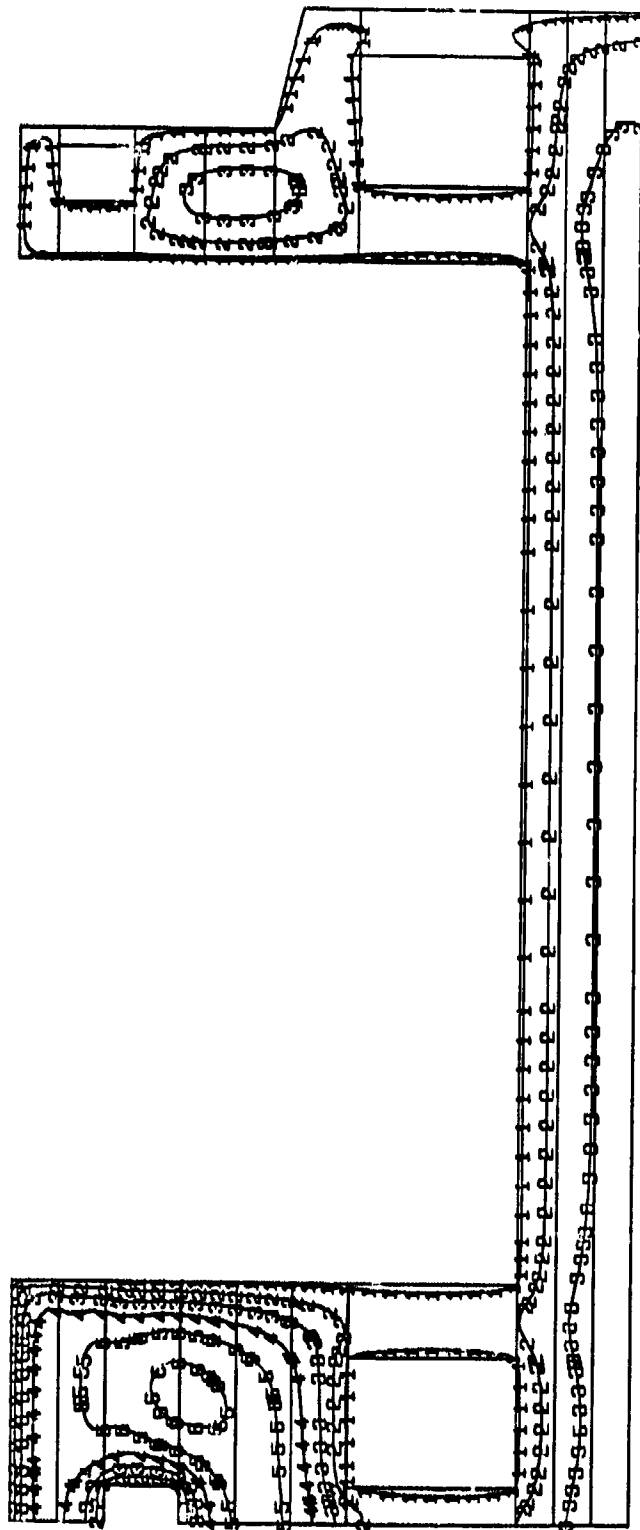
TIME COMPLETED IN THIS STEP +5.000E-01 TOTAL ACCUMULATED TIME +1.150E+02 STEP 42 INCREMENT 1



TEMP  
VALUE

1 +6.00E+01  
2 +6.60E+01  
3 +7.20E+01  
4 +7.80E+01  
5 +8.40E+01  
6 +9.00E+01

RUN OMSTDT2  
ambient temp = 58 deg. F  
time = 120 days



B39

1

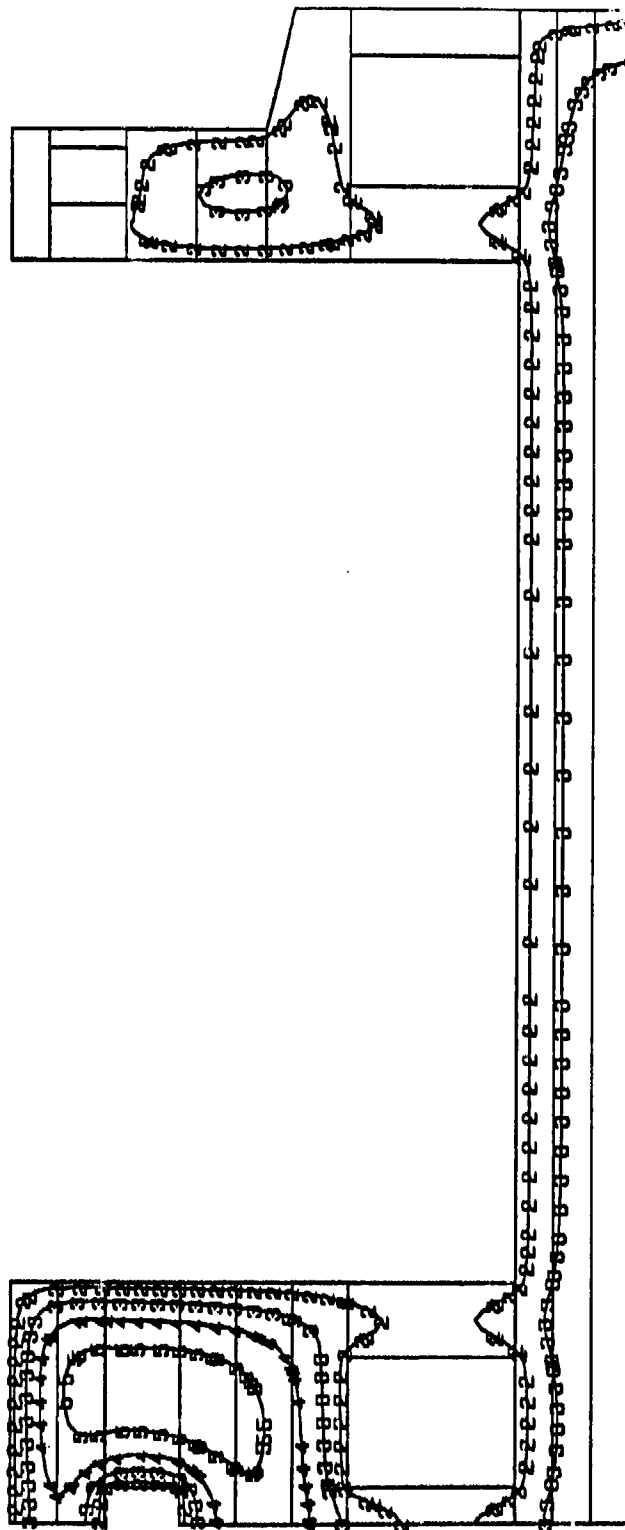
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1\_19

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.200E+02 STEP 44 INCREMENT 6

TEMP  
VALUE

1	+5.00E+01
2	+5.80E+01
3	+6.60E+01
4	+7.40E+01
5	+8.20E+01
6	+9.00E+01

RUN OMSTD2  
ambient temp = 52 deg. F  
time = 133 days



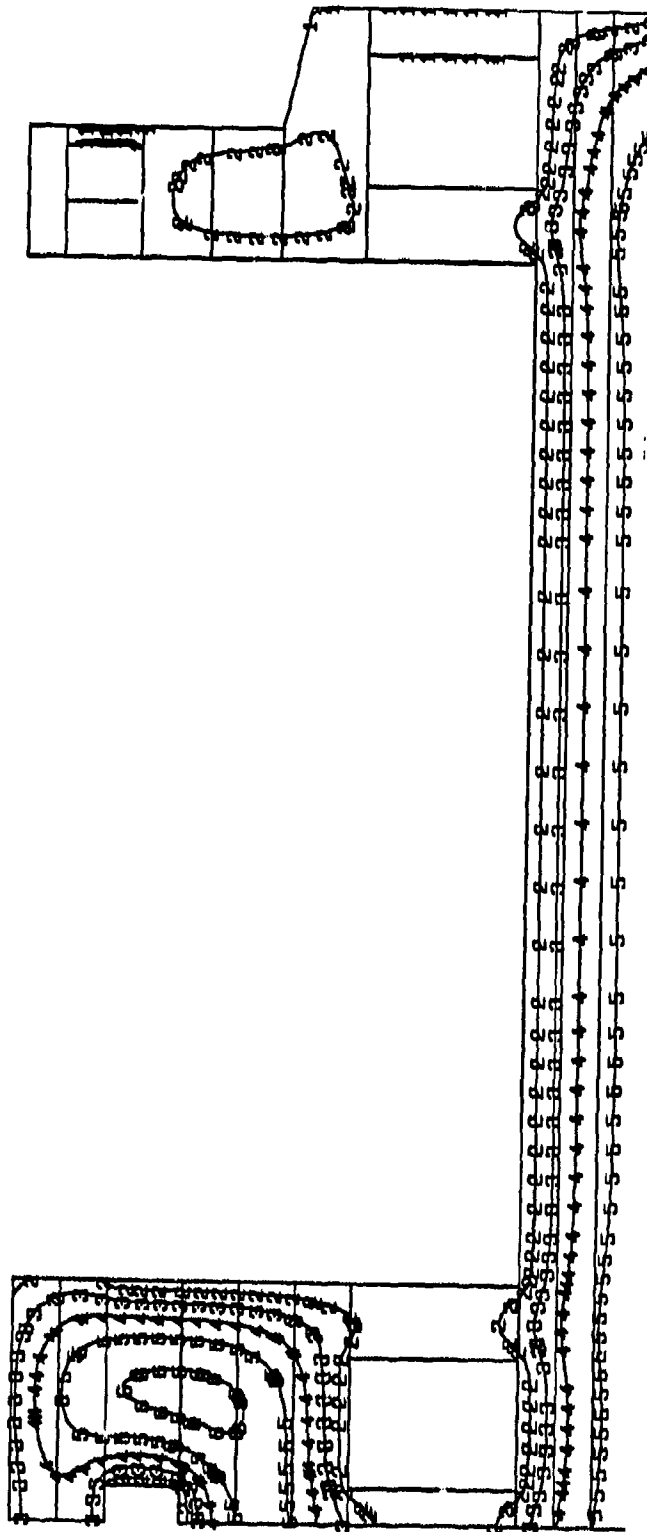
WFRAME, 60 DEG MIN PLMT TEMP, JUNE 20 START, LIFTS 1\_19

TIME COMPLETED IN THIS STEP +1.300E+01 TOTAL ACCUMULATED TIME +1.330E+02 STEP 45 INCREMENT 13

TEMP  
VALUE

1 +4.00E+01  
2 +4.50E+01  
3 +5.20E+01  
4 +5.80E+01  
5 +6.40E+01  
6 +7.00E+01

RUN OMSTDT2  
ambient temp = 39.5 deg. F  
time = 170 days



B41

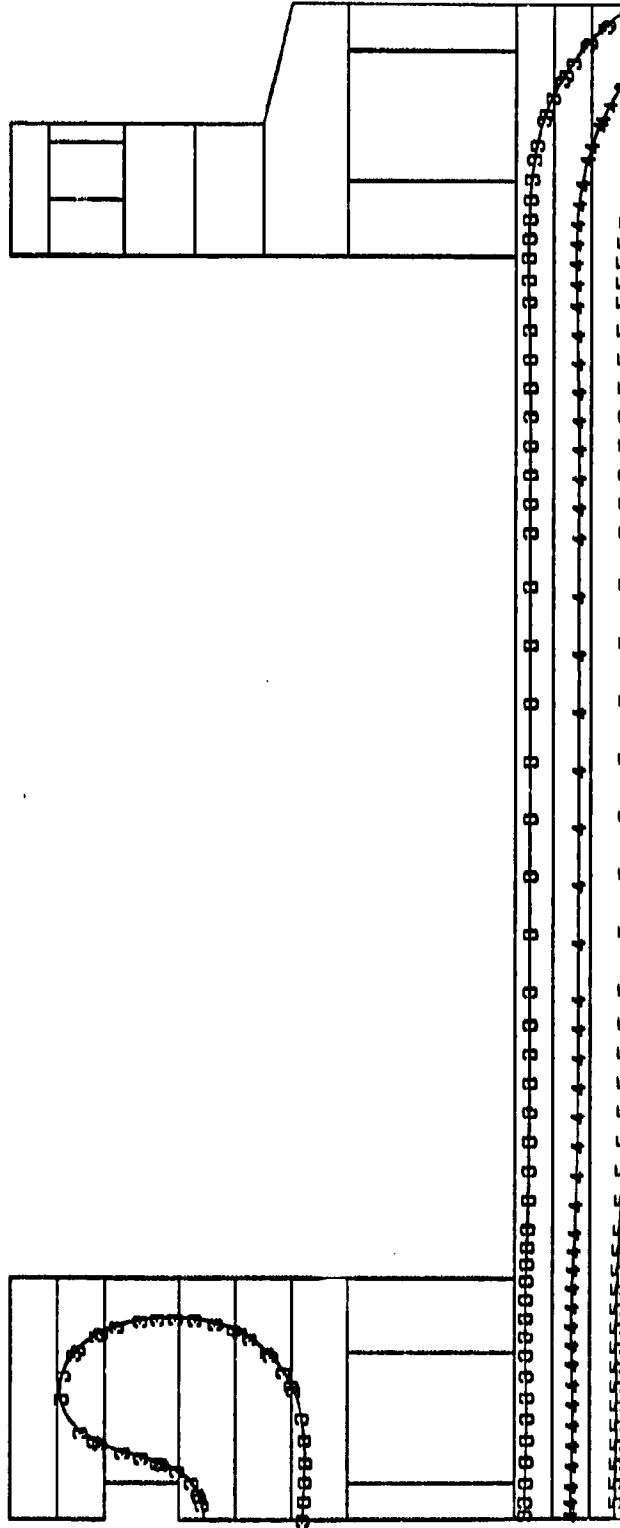
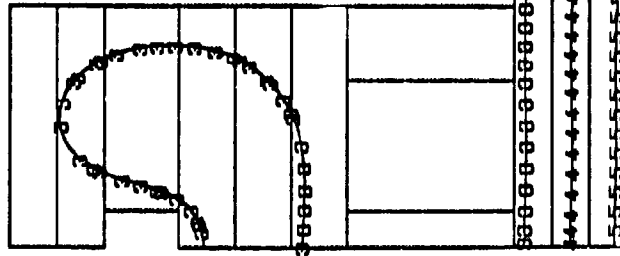
1  
WFRAME, 60 DEG MIN PLGNT TEMP, JUNE 20 START, L1\_19

TIME COMPLETED IN THIS STEP +3.700E+01 TOTAL ACCUMULATED TIME +1.700E+02 STEP 46 INCREMENT 37

TEMP  
VALUE

1	+3.00E+01
2	+3.50E+01
3	+4.20E+01
4	+4.80E+01
5	+5.40E+01
6	+6.00E+01

RUN OMSTDT2  
ambient temp = 41 deg. F  
time = 254 days



B42

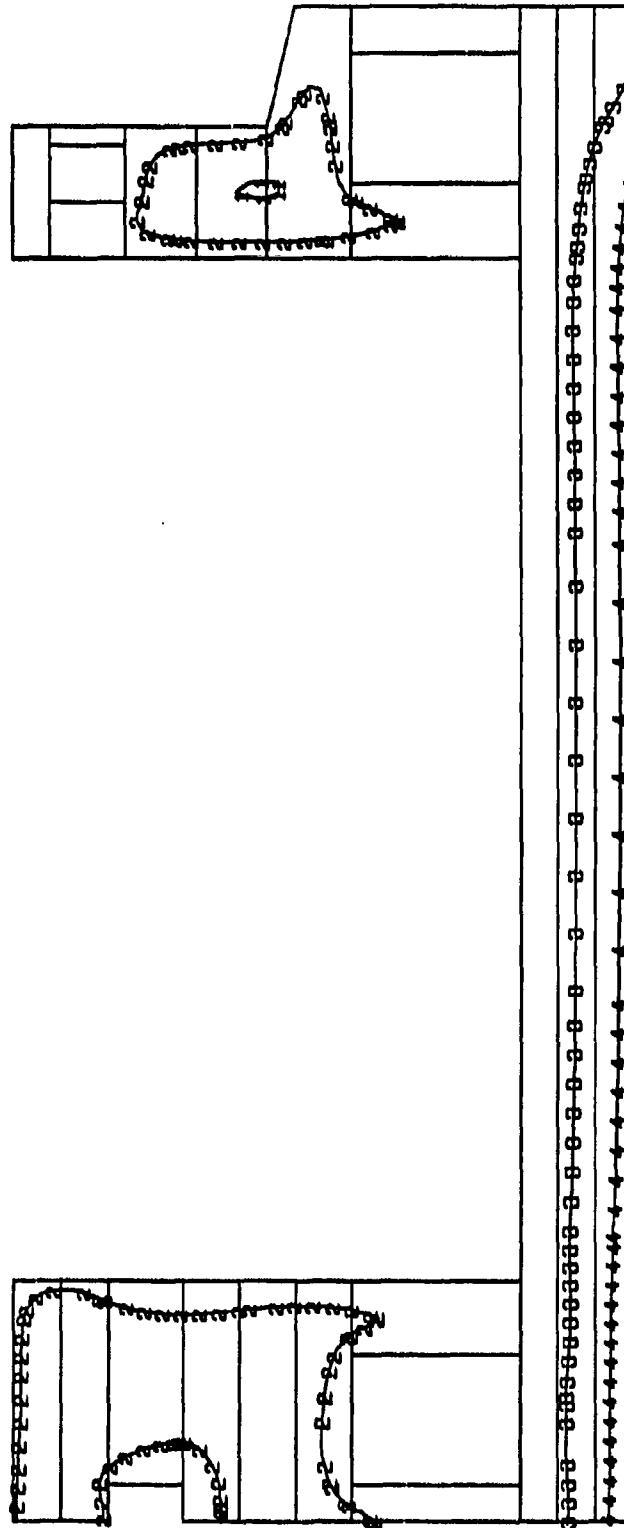
WFRAME, 60 DEG MIN PLMNT TEMP, JUNE 20 START, L1\_19

TIME COMPLETED IN THIS STEP +8.400E+01 TOTAL ACCUMULATED TIME +2.540E+02 STEP 47 INCREMENT 42

TEMP  
VALUE

1	+4.00E+01
2	+4.40E+01
3	+4.80E+01
4	+5.20E+01
5	+5.60E+01
6	+6.00E+01

RUN OMSTDT2  
ambient temp = 47.5 deg. F  
time = 274 days



B43

1

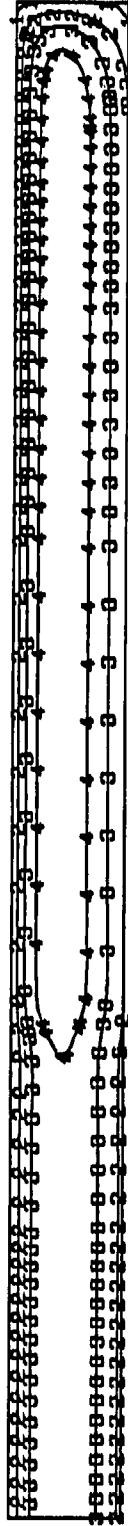
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1\_19

TIME COMPLETED IN THIS STEP +2.000E+01 TOTAL ACCUMULATED TIME +2.740E+02 STEP 48 INCREMENT 10

TEMP  
VALUE

1	+8.00E+01
2	+8.40E+01
3	+8.80E+01
4	+9.20E+01
5	+9.60E+01
6	+1.00E+02

RUN OMSTD74  
ambient temp = 79 deg. F  
time = 30 days



B44

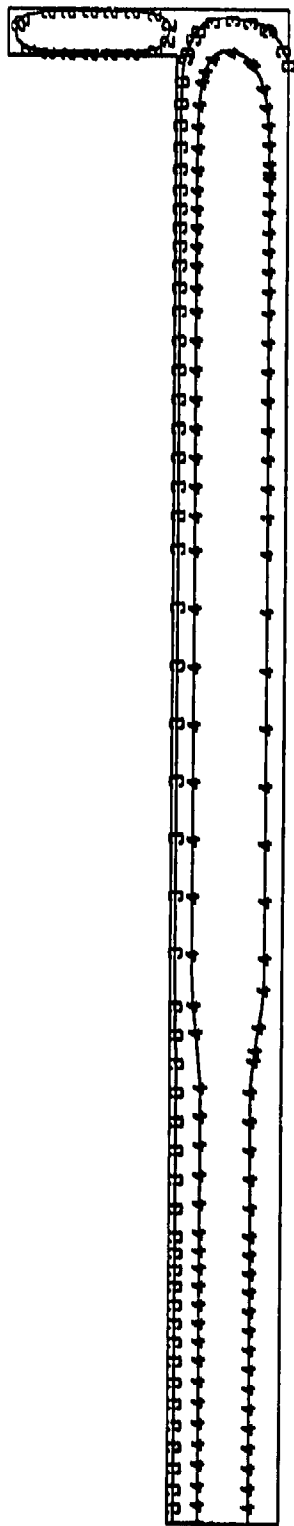
WFRAME, 60 DEG PLCMT TEMP, JUNE 20 START, LIFTS 1\_4

TIME COMPLETED IN THIS STEP +1.000E+01 TOTAL ACCUMULATED TIME +3.000E+01 STEP 9 INCREMENT 10

TEMP  
VALUE

1	+7.00E+01
2	+7.60E+01
3	+8.20E+01
4	+8.80E+01
5	+9.40E+01
6	+1.00E+02

RUN 0M5TDT4  
ambient temp = 78.75 deg.F  
time = 35 days



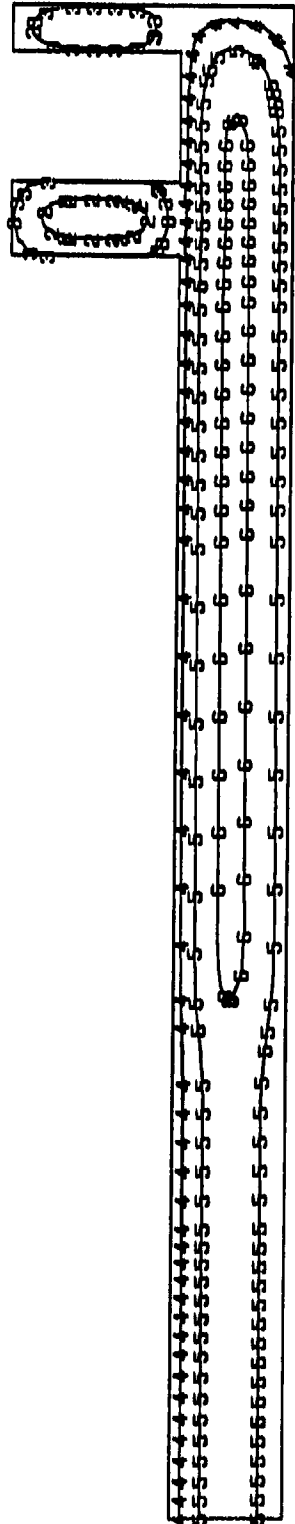
1  
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1\_5

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +3.500E+01 STEP 11 INCREMENT 5

TEMP  
VALUE

1	+7.00E+01
2	+7.40E+01
3	+7.80E+01
4	+8.20E+01
5	+8.60E+01
6	+9.00E+01

RUN OMSTDT4  
ambient temp = 78.5 deg. F  
time = 40 days



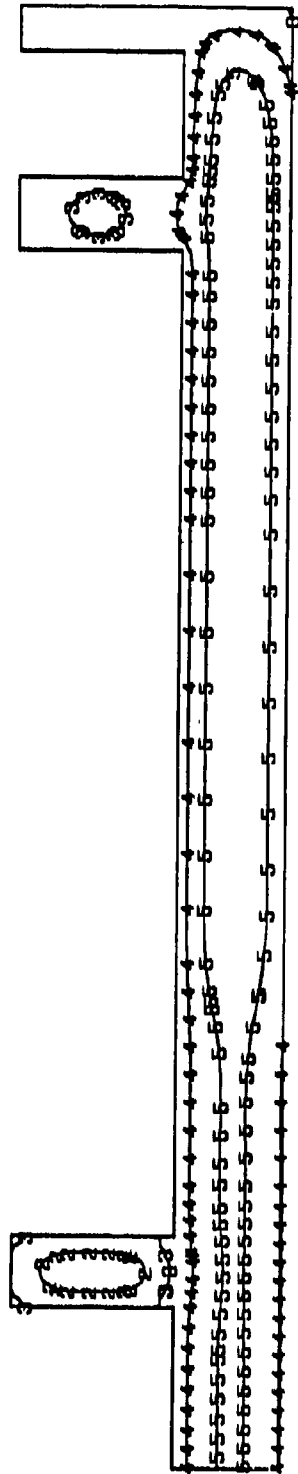
1  
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, LIFTS L1\_6  
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +4.000E+01 STEP 13 INCREMENT 6



TEMP  
VALUE

1 +7.00E+01  
2 +7.40E+01  
3 +7.80E+01  
4 +8.20E+01  
5 +8.60E+01  
6 +9.00E+01

RUN OMSTDT4  
ambient temp = 78 deg.F  
time = 45 days



WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, LIFTS L1\_7

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +4.500E+01 STEP 15 INCREMENT 6

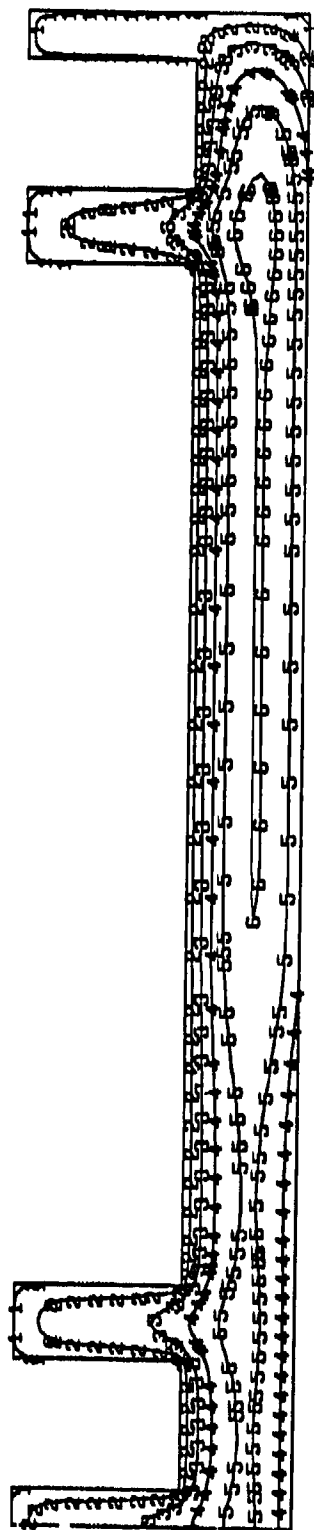
1	+7.00E+01
2	+7.40E+01
3	+7.80E+01
4	+8.20E+01
5	+8.60E+01
6	+9.00E+01

TIME COMPLETED IN THIS STEP	+3.000E+00	TOTAL ACCUMULATED TIME	+5.000E+01	STEP 17	INCREMENT 6

TEMP  
VALUE

1 +7.60E+01  
2 +7.74E+01  
3 +7.88E+01  
4 +8.02E+01  
5 +8.16E+01  
6 +8.30E+01

RUN OMSTDT4  
ambient temp = 75.7 deg. F  
time = 65 days



1  
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, LIFTS 1\_8

TIME COMPLETED IN THIS STEP +1.500E+01 TOTAL ACCUMULATED TIME +6.500E+01 STEP 18 INCREMENT 15

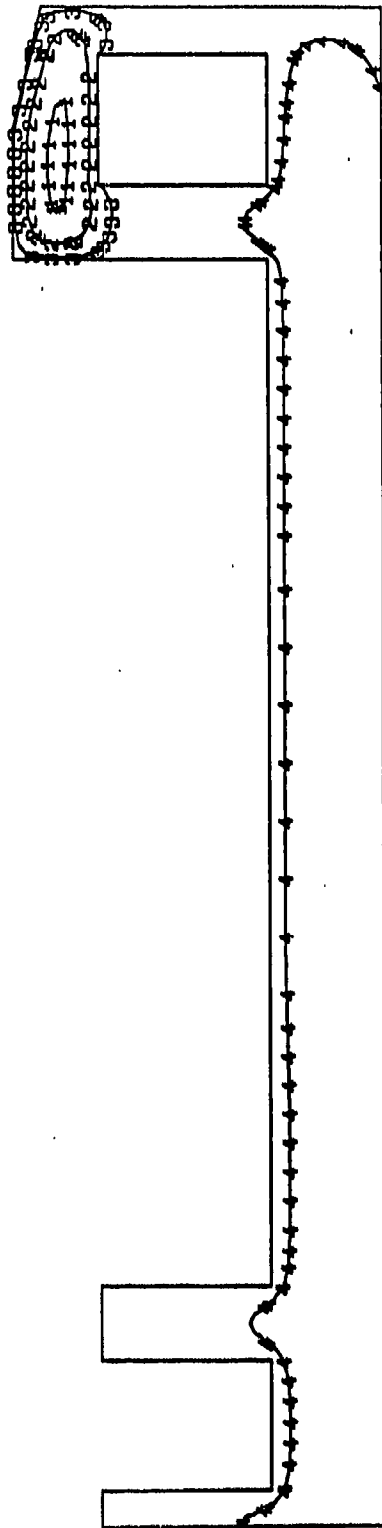
TEMP  
VALUE

1	+6.00E+01
2	+6.50E+01
3	+7.20E+01
4	+7.80E+01
5	+8.40E+01
6	+9.00E+01

RUN OMSTDT4

ambient temp = 74.7 deg. F

time = 70 days



B50

1  
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1\_9

TIME COMPLETED IN THIS STEP +5.000E-01 TOTAL ACCUMULATED TIME +7.000E+01 STEP 21 INCREMENT 1

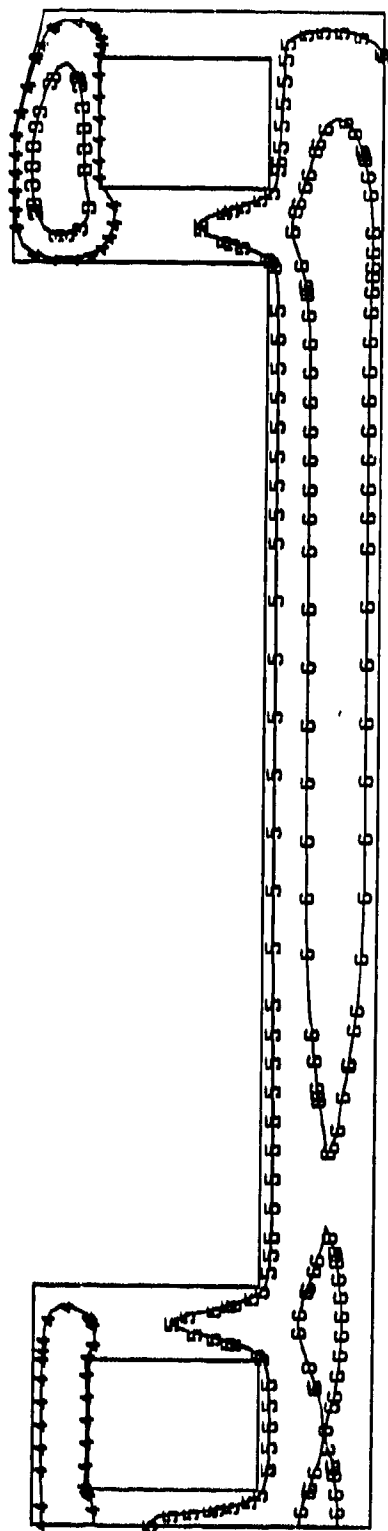
TEMP  
VALUE

1 +6.00E+01  
2 +6.40E+01  
3 +6.80E+01  
4 +7.20E+01  
5 +7.60E+01  
6 +8.00E+01

RUN OMSTDT4

ambient temp. = 73.2 deg. F

time = 75 days



1

WFRAME, 60 DEG MIN PLCONT TEMP, JUNE 20 START, L1\_10

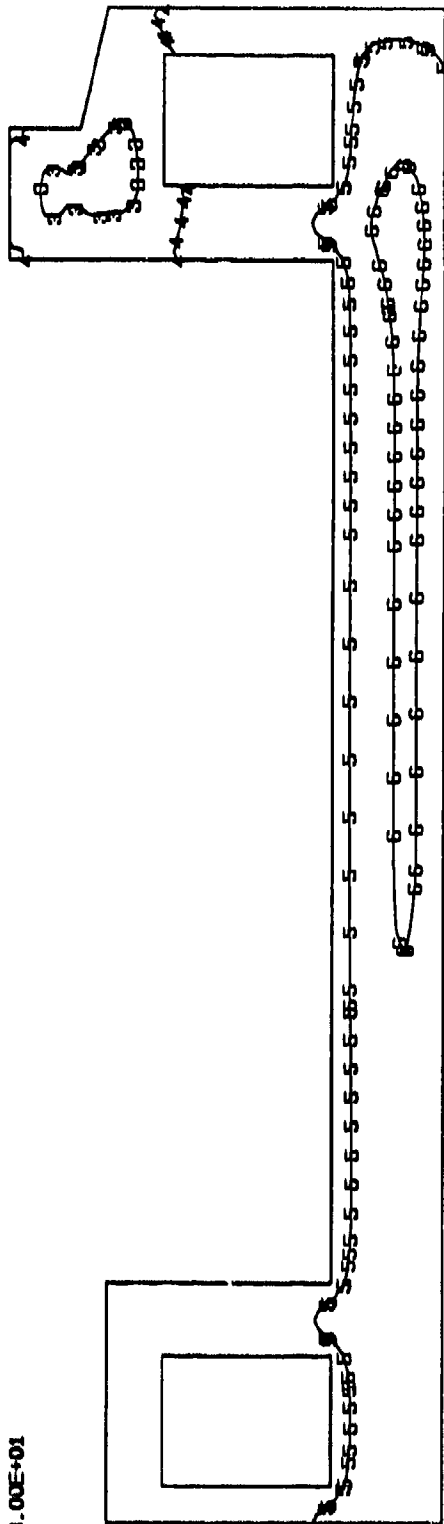
TIME COMPLETED IN THIS STEP +5.000E-01

TOTAL ACCUMULATED TIME +7.500E+01 ■ STEP 24 INCREMENT 1

TEMP  
VALUE

1 +6.00E+01  
2 +6.40E+01  
3 +6.80E+01  
4 +7.20E+01  
5 +7.60E+01  
6 +8.00E+01

RUN OMSTDY4  
ambient temp = 71.9 deg. F  
time = 80 days



1

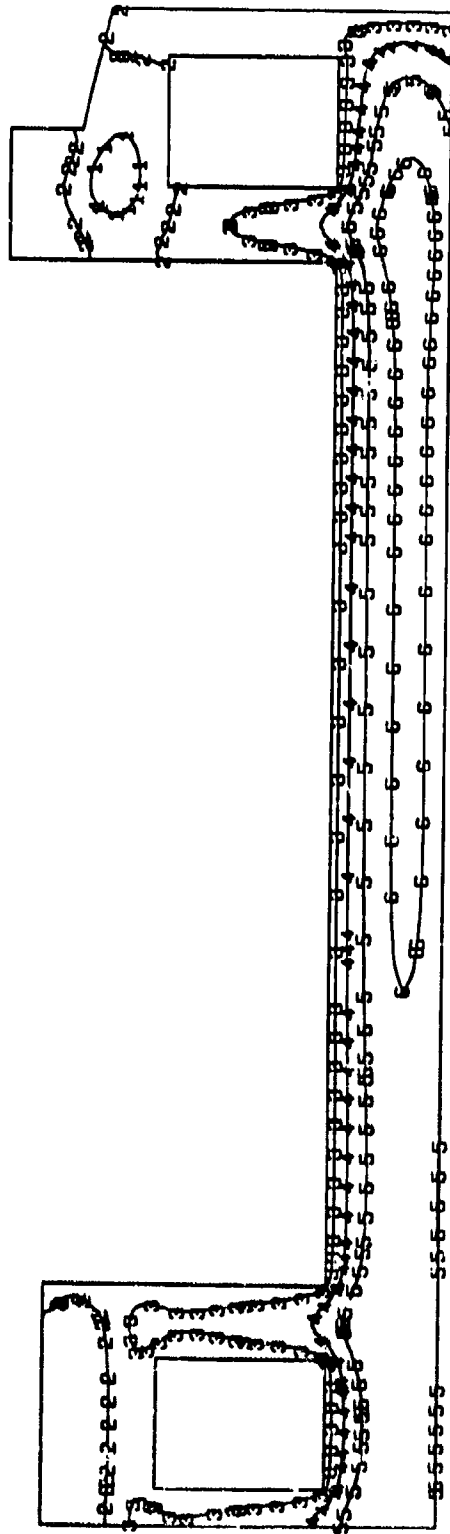
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1\_11

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +8.000E+01 STEP 26 INCREMENT 6

TEMP  
VALUE

1	+6.50E+01
2	+7.10E+01
3	+7.30E+01
4	+7.50E+01
5	+7.70E+01
6	+7.90E+01

RUN OMSTD14  
ambient temp = 70.9 deg. F  
time = 85 days



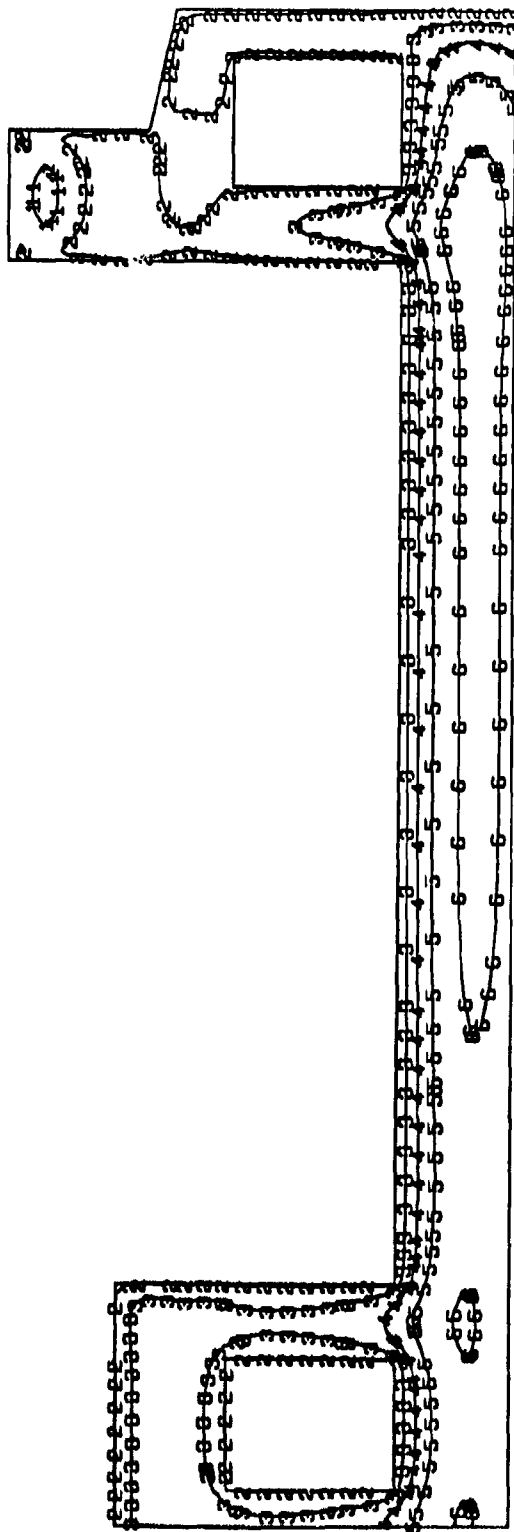
1  
WFRAME, 60 DEG MIN PL0MT TEMP, JUNE 20 START, L1\_12

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +8.500E+01 STEP 28 INCREMENT 5

TEMP  
VALUE

1	+6.80E+01
2	+7.00E+01
3	+7.20E+01
4	+7.40E+01
5	+7.60E+01
6	+7.80E+01

RUN OMSTD14  
ambient temp = 69.3 deg. F  
time = 90 days



WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1\_13

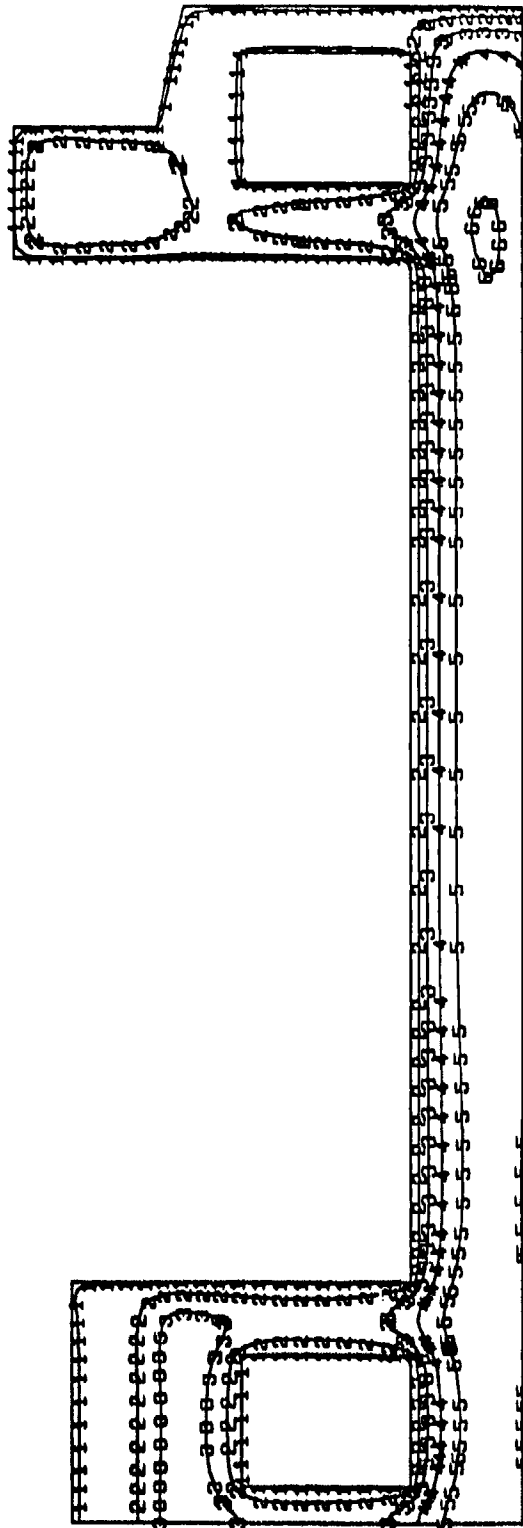
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.000E+01 STEP 30 INCREMENT 6



TEMP  
VALUE

1	+6.80E+01
2	+7.00E+01
3	+7.20E+01
4	+7.40E+01
5	+7.60E+01
6	+7.80E+01

RJN OMSTDT4  
ambient temp = 67 deg. F  
time = 95 days



1

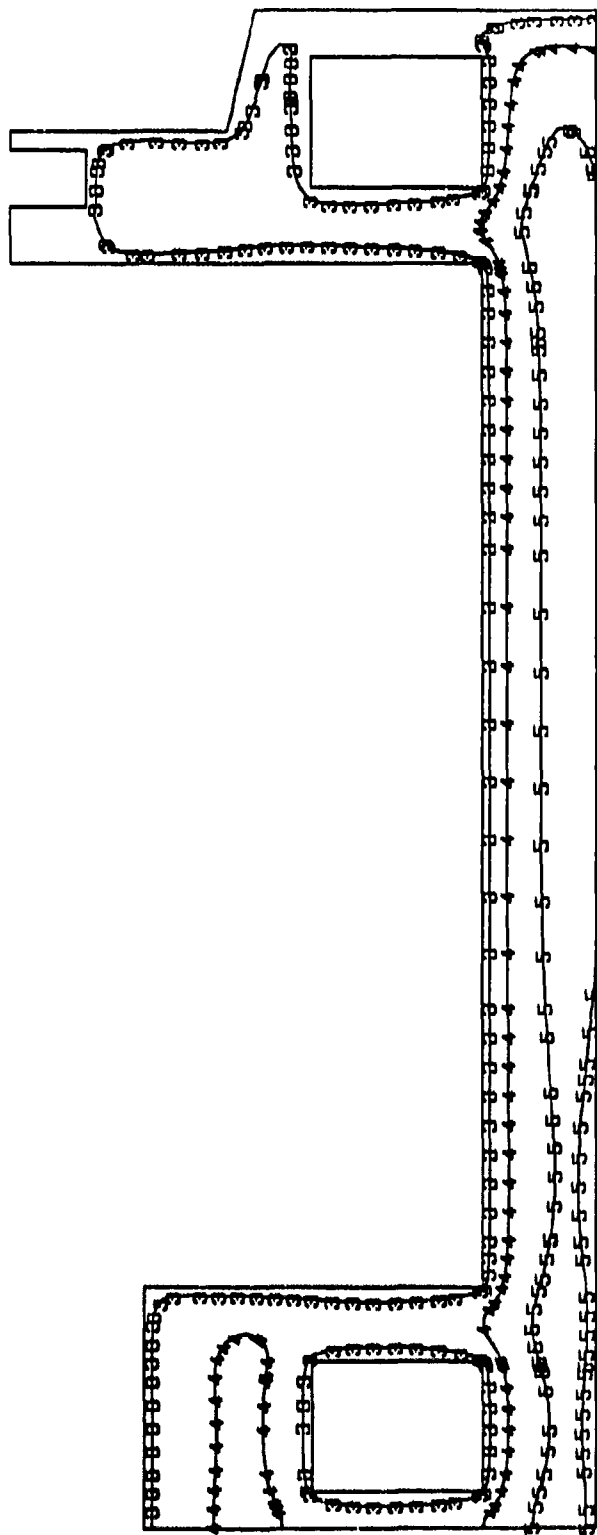
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1\_14

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.500E+01 ■ STEP 32 INCREMENT 6

TEMP  
VALUE

1	+6.00E+01
2	+6.40E+01
3	+6.80E+01
4	+7.20E+01
5	+7.60E+01
6	+8.00E+01

RUN OMSTDT4  
ambient temp = 65.4 deg. F  
time = 100 days



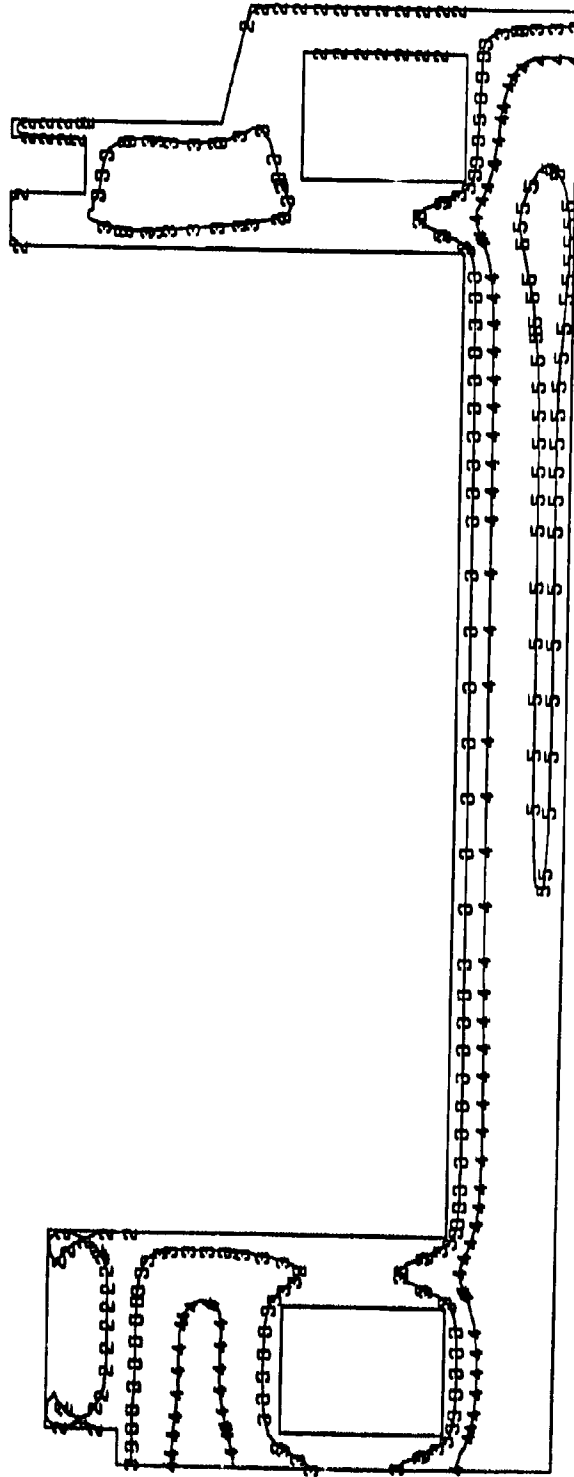
1  
WFRAME, 60 DEG MIN PLMNT TEMP, JUNE 20 START, L1\_15

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.000E+02 STEP 34 INCREMENT 6

TEMP  
VALUE

1 +6.00E+01  
2 +6.40E+01  
3 +6.80E+01  
4 +7.20E+01  
5 +7.60E+01  
6 +8.00E+01

RUN OMSTDT4  
ambient temp = 63.5 deg. F  
time = 105 days



1

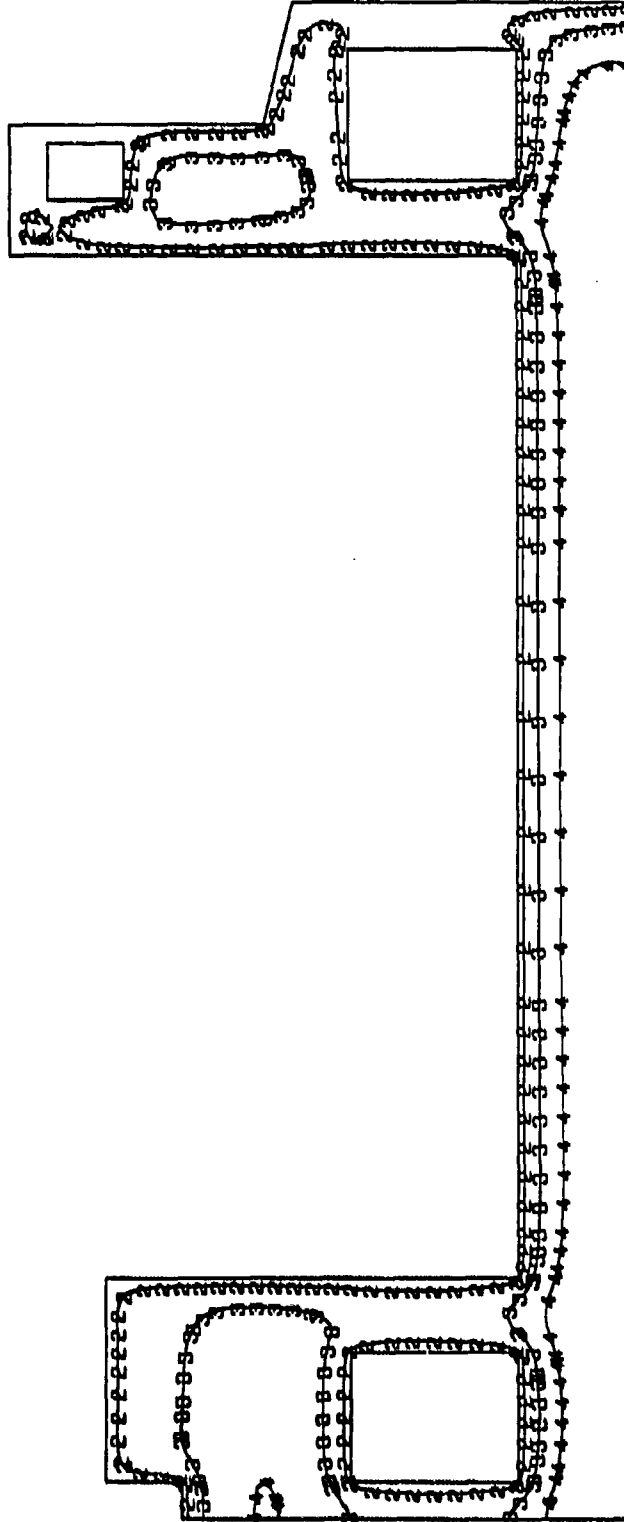
WFRAME, 60 DEG MIN PLMT TEMP, JUNE 20 START, L1\_16

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.050E+02 ■ STEP 36 INCREMENT 6

TEMP  
VALUE

1	+6.00E+01
2	+6.40E+01
3	+6.80E+01
4	+7.20E+01
5	+7.60E+01
6	+8.00E+01

RUN OMSTDT4  
ambient temp = 61.3 deg. F  
time = 110 days



B58

1  
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1\_17

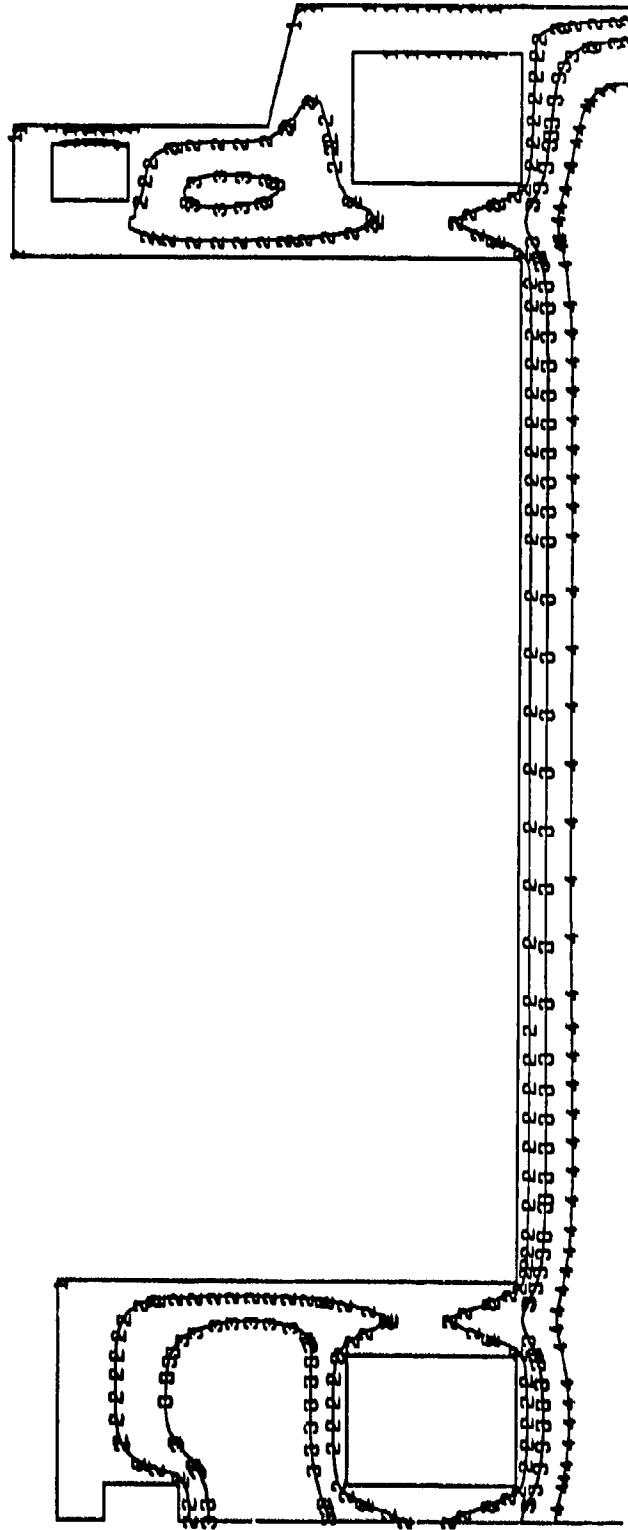
TIME COMPLETED IN THIS STEP +5.000E-01 TOTAL ACCUMULATED TIME +1.100E+02 ■ STEP 39 INCREMENT 1

TEMP  
VALUE

1 +5.00E+01  
2 +6.40E+01  
3 +6.80E+01  
4 +7.20E+01  
5 +7.60E+01  
6 +8.00E+01

RUN OMSTDT4

ambient temp = 59.6 deg. F  
time = 115 days



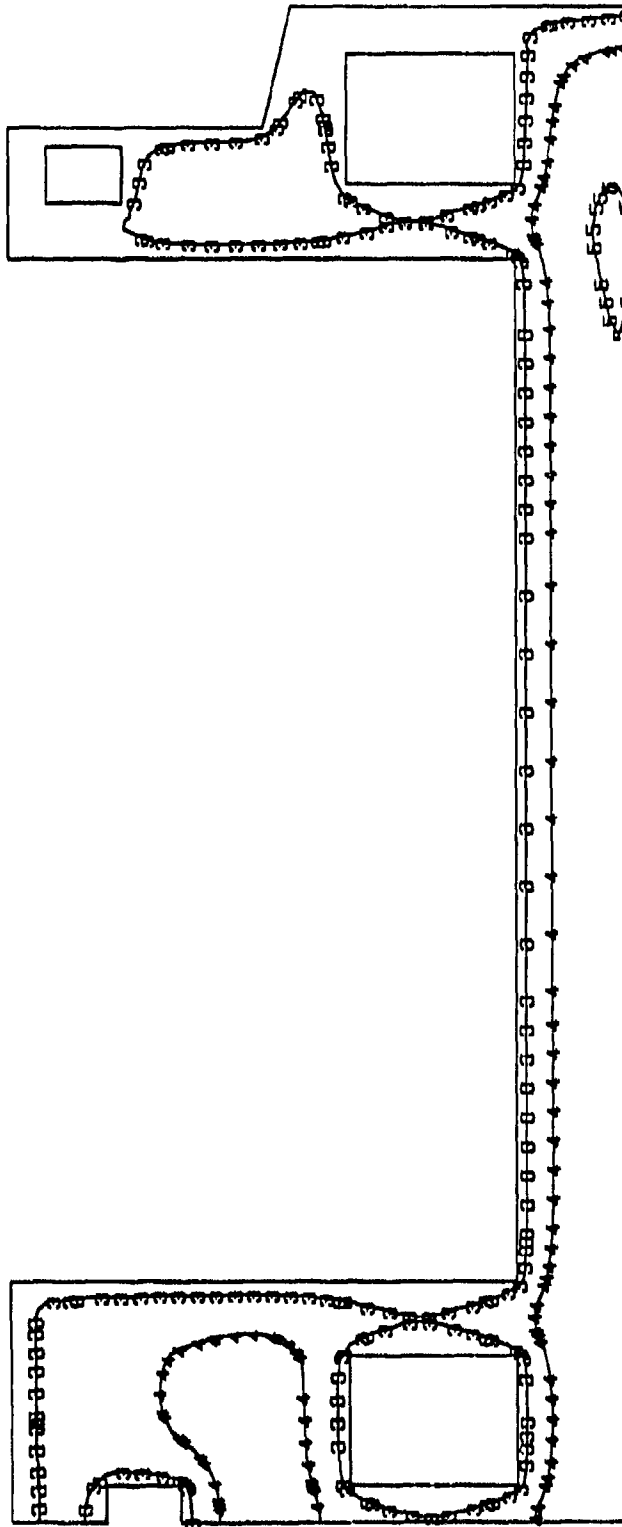
1  
WFRAME, 60 DEG MIN PLMT TEMP, JUNE 20 START, L1\_18

TIME COMPLETED IN THIS STEP +5.000E-01 TOTAL ACCUMULATED TIME +1.150E+02 ■ STEP 42 INCREMENT 1

TEMP  
VALUE

1	+5.00E+01
2	+5.50E+01
3	+6.20E+01
4	+6.80E+01
5	+7.40E+01
6	+8.00E+01

RUN OMSTDT4  
ambient temp = 58 deg. F  
time = 120 days



B60

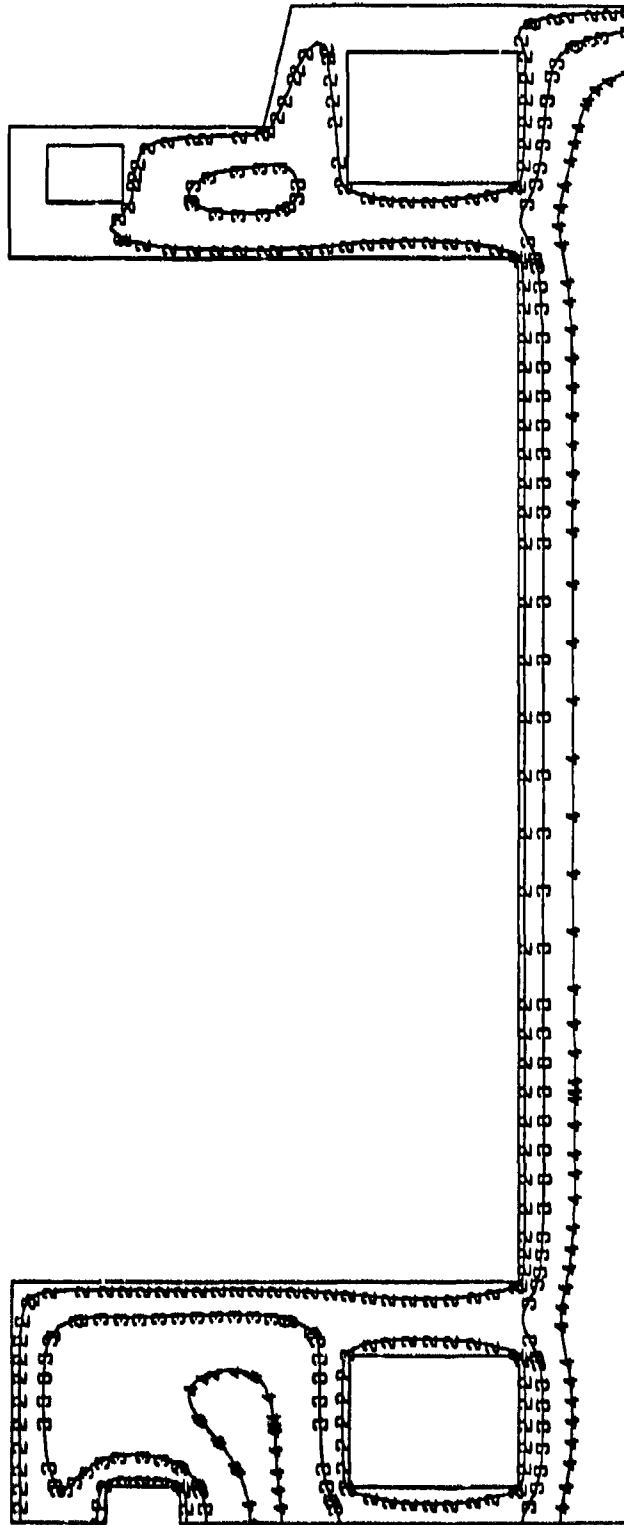
1  
WFRAME, 60 DEG MIN PLMT TEMP, JUNE 20 START, L1\_19

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.200E+02 STEP 44 INCREMENT 5

TEMP  
VALUE

1	+5.00E+01
2	+5.60E+01
3	+6.20E+01
4	+6.80E+01
5	+7.40E+01
6	+8.00E+01

RUN ONSTD4  
ambient temp = 52 deg. F  
time = 133 days

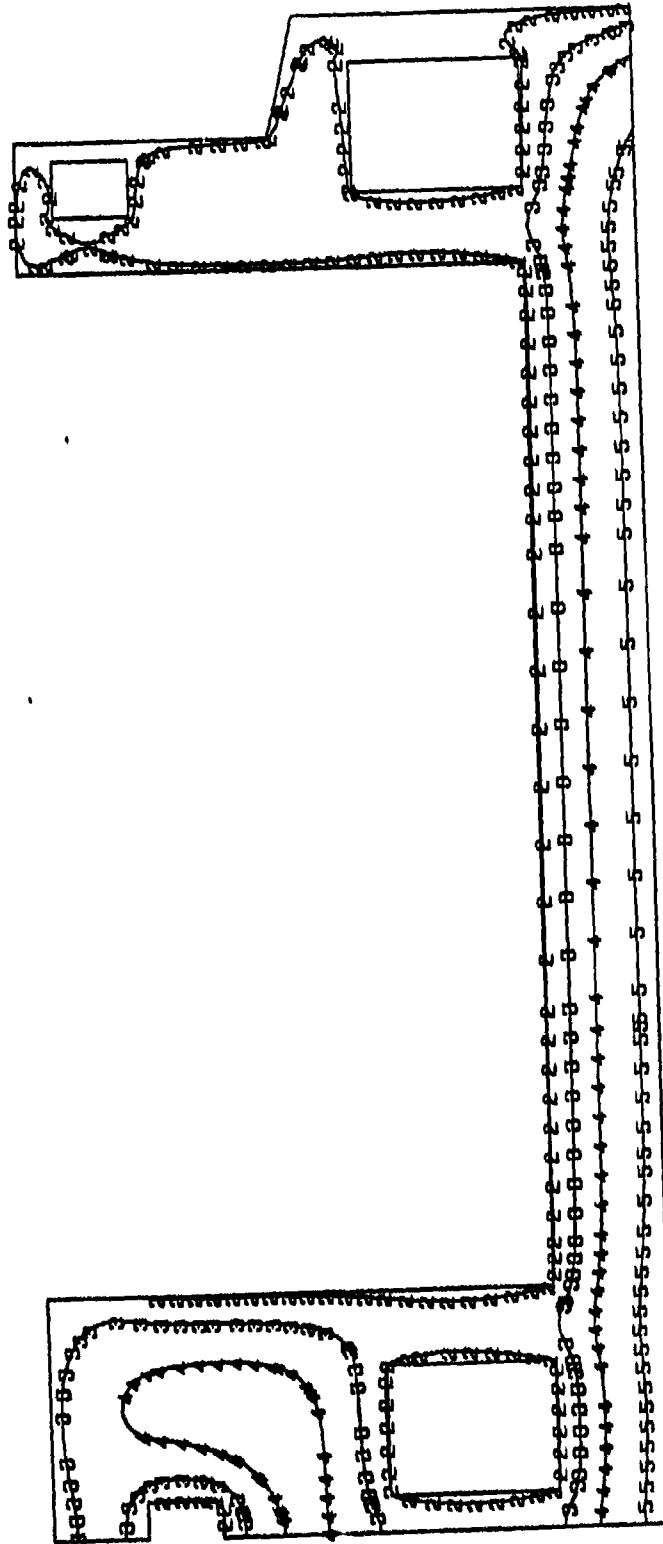


1  
WFRAME, 60 DEG MIN PLMT TEMP, JUNE 20 START, LIFTS 1\_19  
TIME COMPLETED IN THIS STEP +1.300E+01 TOTAL ACCUMULATED TIME +1.330E+02 ■ STEP 45 INCREMENT 13

TEMP  
VALUE

1 +3.00E+01  
2 +3.80E+01  
3 +4.60E+01  
4 +5.40E+01  
5 +6.20E+01  
6 +7.00E+01

RUN OMSTDY4  
ambient temp = 36.5 deg. F  
time = 184 days



B62

1  
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1\_19

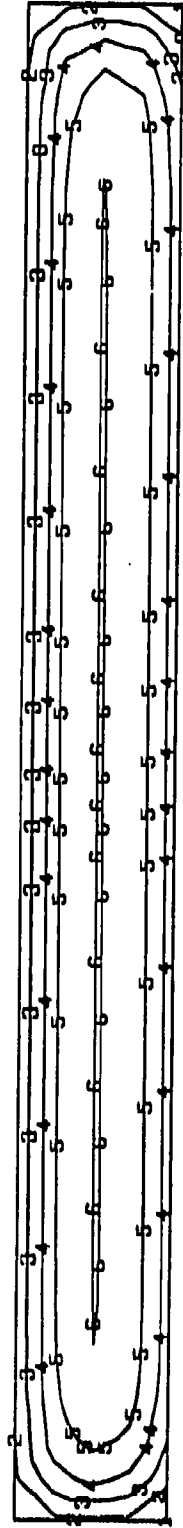
TIME COMPLETED IN THIS STEP +5.000E+01 TOTAL ACCUMULATED TIME +1.840E+02 STEP 47 INCREMENT 25



TEMP  
VALUE

1	+7.80E+01
2	+7.98E+01
3	+8.16E+01
4	+8.34E+01
5	+8.52E+01
6	+8.70E+01

RUN OMSTDTS  
ambient temp = 77.5 deg. F  
time = 5 days



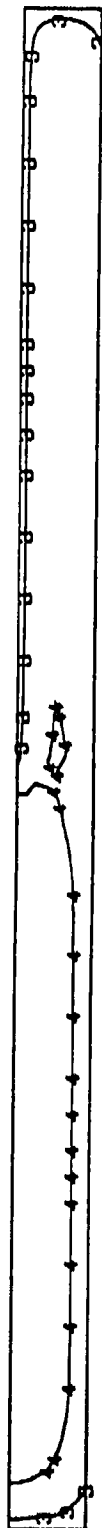
B63

WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +5.000E+00 STEP 2 INCREMENT 6

RUN OMSTDT5  
 ambient temp = 77.5 deg. F  
 time = 10 days

TEMP	
VALUE	
1	+7.00E+01
2	+7.60E+01
3	+8.20E+01
4	+9.80E+01
5	+9.40E+01
6	+1.00E+02

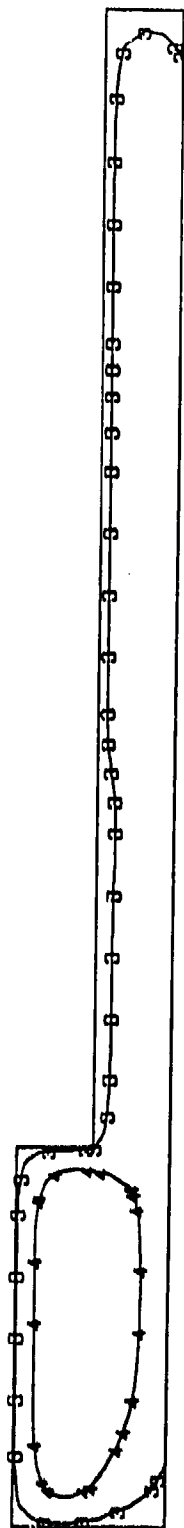


WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1\_2  
 TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.000E+01 STEP 4 INCREMENT 6

TEMP  
VALUE

1	+7.00E+01
2	+7.60E+01
3	+8.20E+01
4	+8.80E+01
5	+9.40E+01
6	+1.00E+02

RUN OMSTDT5  
ambient temp = 78.3 deg. F  
time = 15 days



B65

1

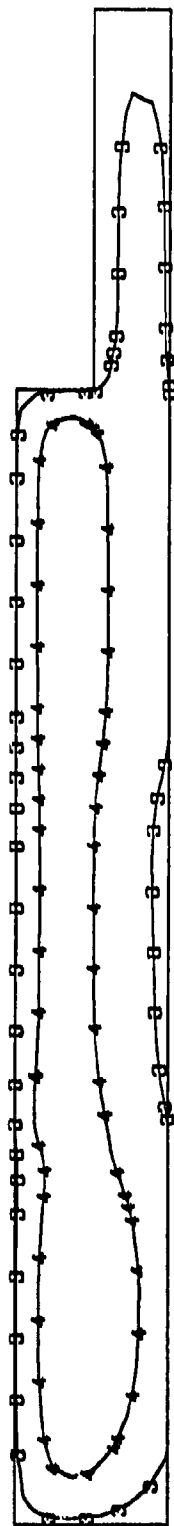
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, LIFTS 1\_3

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.500E+01 STEP 6 INCREMENT 6

TEMP  
VALUE

1	+7.00E+01
2	+7.60E+01
3	+8.20E+01
4	+8.60E+01
5	+9.40E+01
6	+1.00E+02

RUN OMSTDY5  
ambient temp = 79 deg.F  
time = 79 days



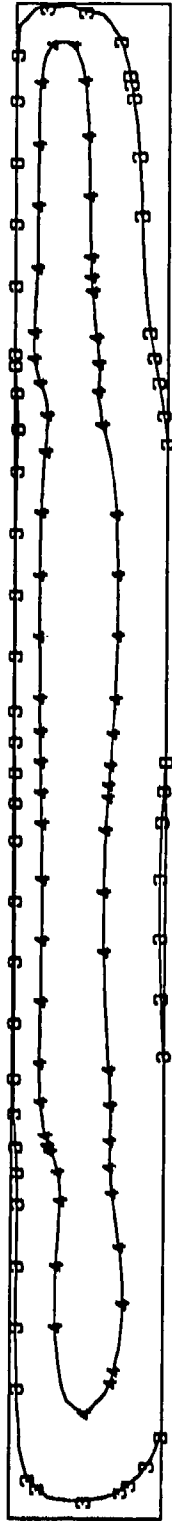
WFRAME, 60 DEG MIN PLMT TEMP, JUNE 20 START, L1\_4

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +2.000E+01 STEP 8 INCREMENT 6

TEMP  
VALUE

1	+7.00E+01
2	+7.60E+01
4	+8.20E+01
5	+8.80E+01
5	+9.40E+01
6	+1.00E+02

RUN OMSTDTS  
ambient temp = 79 deg. F  
time = 25 days

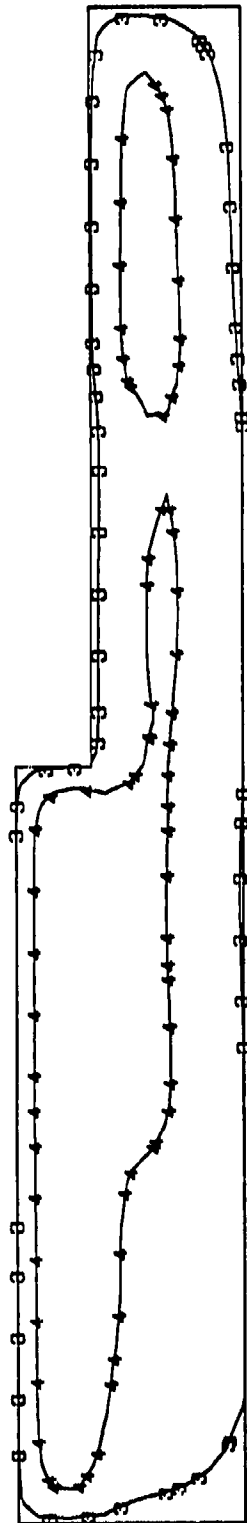


1  
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, LIFTS L1\_5  
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +2.500E+01 STEP 10 INCREMENT 6

TEMP  
VALUE

1	+7.00E+01
2	+7.50E+01
3	+8.20E+01
4	+8.80E+01
5	+9.40E+01
6	+1.00E+02

RUN ONSTRT5  
ambient temp = 79 deg. F  
time = 30 days



1

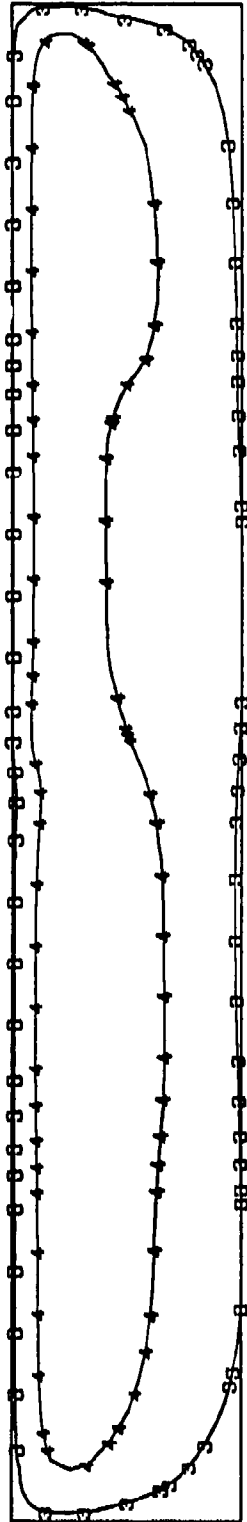
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, LIFTS L1\_6

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +3.000E+01 STEP 12 INCREMENT 6

TEMP  
VALUE

1 +7.00E+01  
2 +7.60E+01  
3 +8.20E+01  
4 +8.80E+01  
5 +9.40E+01  
6 +1.00E+02

RUN OMSTDTS  
ambient temp = 78.75 deg. F  
time = 35 days



1

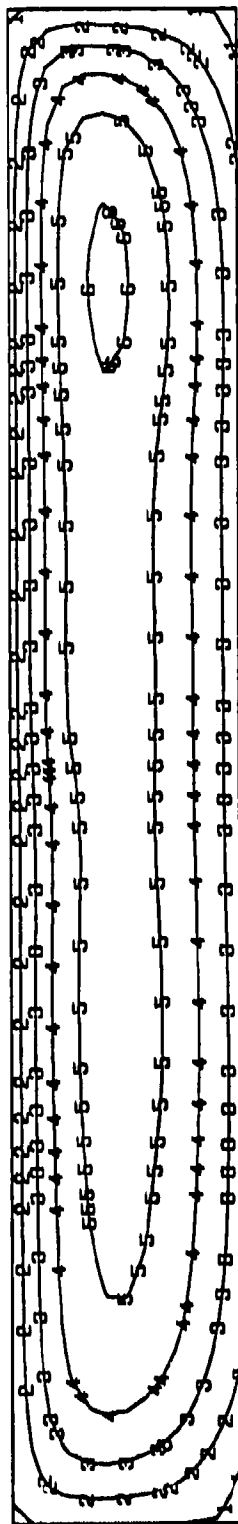
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1\_7

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +3.500E+01 STEP 14 INCREMENT 6

VALUE

- 1 +7.80E+01
- 2 +8.00E+01
- 3 +8.20E+01
- 4 +8.40E+01
- 5 +8.60E+01
- 6 +8.80E+01

RUN OMSTDTS  
 ambient temp = 77.55 deg. F  
 time = 49 days



B70

WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1\_7

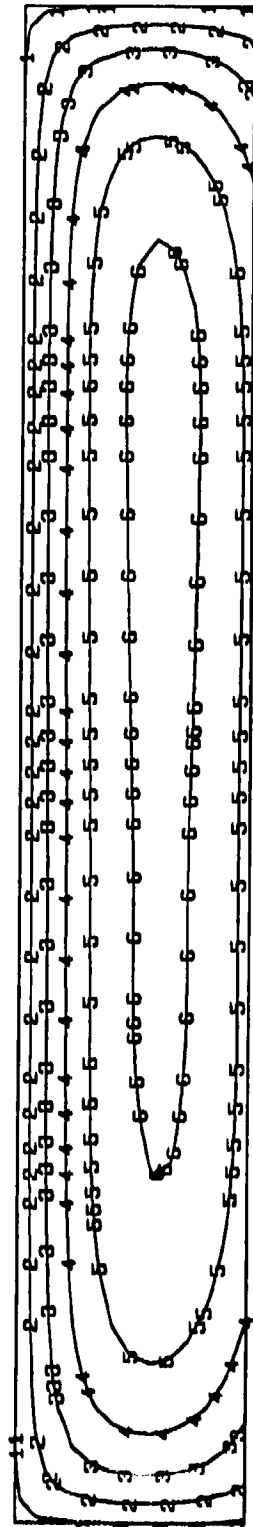
TIME COMPLETED IN THIS STEP +1.400E+01 TOTAL ACCUMULATED TIME +4.900E+01 STEP 15 INCREMENT 7



VALUE

- 1 +7.30E+01
- 2 +7.44E+01
- 3 +7.58E+01
- 4 +7.72E+01
- 5 +7.86E+01
- 6 +8.00E+01

RUN OMSTDT5  
 ambient temp = 72.5 deg. F  
 time = 77 days



B71

1

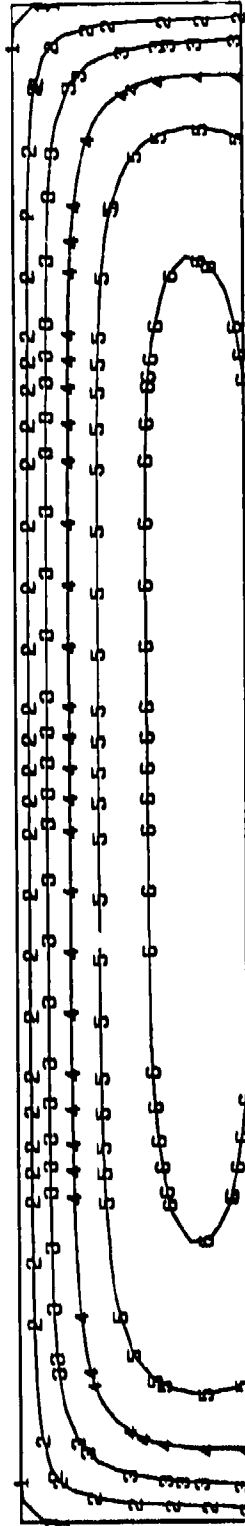
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L17

TIME COMPLETED IN THIS STEP +4.200E+01 TOTAL ACCUMULATED TIME +7.700E+01 STEP 15 INCREMENT 21

VALUE

1 +6.40E+01  
2 +6.62E+01  
3 +6.84E+01  
4 +7.06E+01  
5 +7.28E+01  
6 +7.50E+01

RUN OMSTDY5  
ambient temp = 63.5 deg. F  
time = 105 days



B72

1

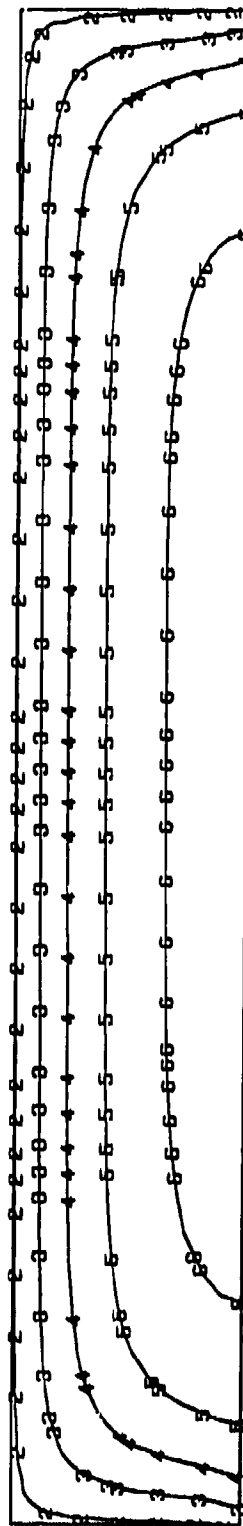
WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1\_7

TIME COMPLETED IN THIS STEP +7.000E+01 TOTAL ACCUMULATED TIME +1.050E+02 STEP 15 INCREMENT 35

VALUE

- 1 +5.00E+01
- 2 +5.40E+01
- 3 +5.80E+01
- 4 +6.20E+01
- 5 +6.60E+01
- 6 +7.00E+01

RUN OMSTDY5  
 ambient temp = 52 deg. F  
 time = 133 days



B73

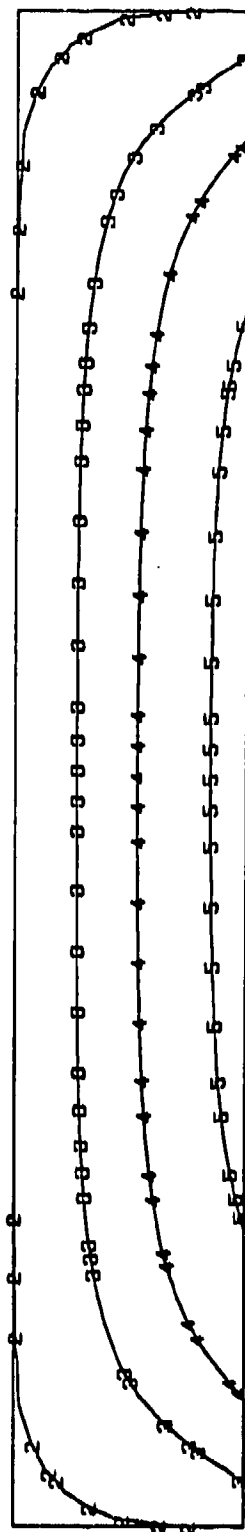
WFRAME, 60 DEG MIN PLMT TEMP, JUNE 20 START, L1\_7

TIME COMPLETED IN THIS STEP +9.800E+01 TOTAL ACCUMULATED TIME +1.330E+02 STEP 15 INCREMENT 49

VALUE

- 1 +3.00E+01
- 2 +3.60E+01
- 3 +4.20E+01
- 4 +4.80E+01
- 5 +5.40E+01
- 6 +6.00E+01

RUN OMSTDT5  
 ambient temp = 35.6 deg. F  
 time = 233 days



B74

WFRAME, 60 DEG MIN PLCMT TEMP, JUNE 20 START, L1\_7

TIME COMPLETED IN THIS STEP +1.000E+02 TOTAL ACCUMULATED TIME +2.330E+02 STEP 16 INCREMENT 50

APPENDIX C: MIXTURE 6 TEMPERATURE CONTOUR PLOTS

TEMP  
VALUE

1	+7.70E+01
2	+7.84E+01
3	+7.98E+01
4	+8.12E+01
5	+8.26E+01
5	+8.40E+01



C3

OLMSTED, STRIP METHOD, 60 DEG PLGMT TEMP, JUNE 20 START, L1  
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +5.000E+00 STEP 2 INCREMENT 6

TEMP	
VALUE	
1	+7.70E+01
2	+7.80E+01
3	+7.90E+01
4	+8.00E+01
5	+8.10E+01
6	+8.20E+01



C4

1

CLMSTED, STRIP METHOD, 60 DEG PLCMT TEMP, JUNE 20 START, LIFT 1  
 TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +1.000E+01 STEP 3 INCREMENT 5

TEMP  
VALUE

1	+7.80E+01
2	+7.98E+01
3	+8.15E+01
4	+8.34E+01
5	+8.52E+01
6	+8.70E+01



C5

1

OLMSTED, STRIP METHOD, 60 DEG PLGMT TEMP, JUNE 20 START, L1\_2

TIME COMPUTED IN THIS STEP +3 000E+00 TOTAL ACCUMULATED TIME +1 500E+01 # STEP 5 INCREMENT 6



TEMP  
VALUE

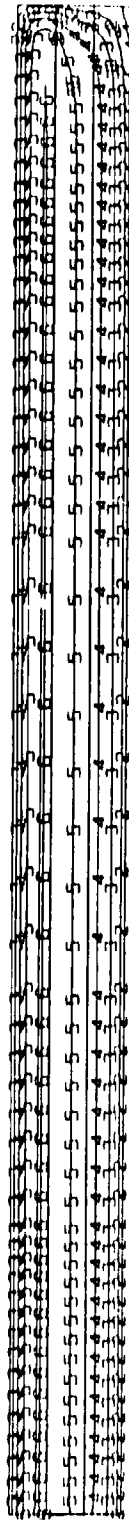
1	+7.80E+01
2	+7.96E+01
3	+8.12E+01
4	+8.28E+01
5	+8.44E+01
6	+8.60E+01



1  
OLMSTED, STRIP METHOD, 60 DEG PLMT TEMP, JUNE 20 START, L1\_2  
TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +2.000E+01 8 STEP 6 INCREMENT 5

TEMP  
VALUE

1	+7.50E+01
2	+8.10E+01
3	+8.30E+01
4	+8.50E+01
5	+8.70E+01
6	+8.50E+01



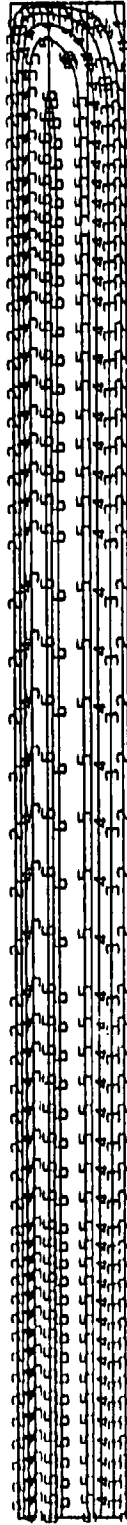
C7

1

OLMSTED, STRIP METHOD, 60 DEG PLCMT TEMP, JUNE 20 START, LIFTS 1\_3

TIME COMPLETED IN: THIS STEP +3 000E+00 TOTAL ACCUMULATED TIME +2 500E+01 8 STEP 8 INCREMENT 6

TEMP VALUE	
1	+7.90E+01
2	+8.10E+01
3	+8.30E+01
4	+8.50E+01
5	+8.70E+01
6	+8.90E+01

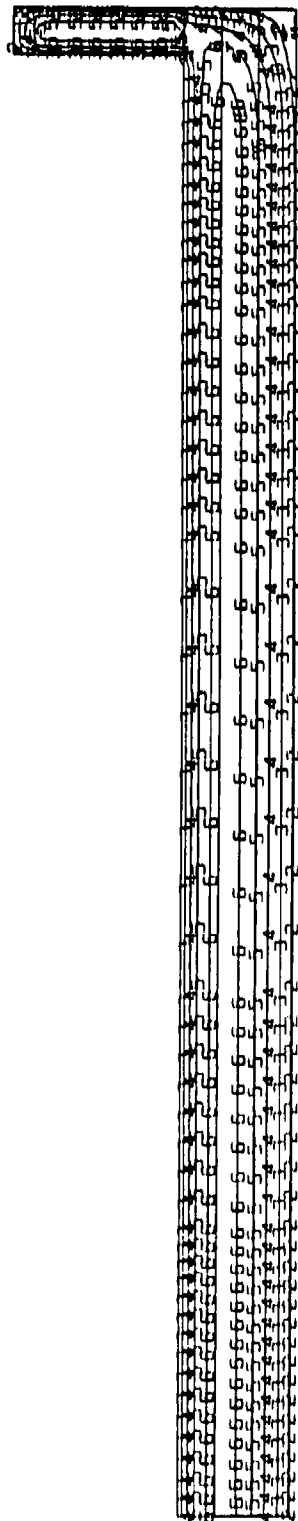


C8

1  
CUMSTEN STOP METHOD 60 DEG PI CMT TEMP .JUNE 20 START 11FIS 1 3

TEMP  
VALUE

1	+7.60E+01
2	+8.00E+01
3	+8.20E+01
4	+8.40E+01
5	+8.60E+01
6	+8.80E+01



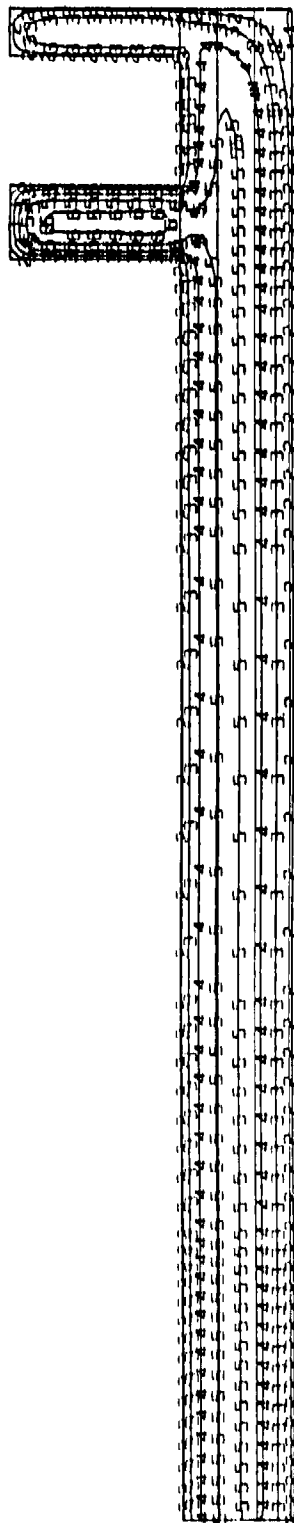
C9

1  
OLMSTED, STRIP METHOD, 60 DEG PLMT TEMP, JUNE 20 START, L1\_5

TIME COMPLETED IN THIS STEP +3 000E+00 TOTAL ACCUMULATED TIME +3 600E+01 STEP 11 INCREMENT 6

TEMP  
VALUE

1	+7.80E+01
2	+8.02E+01
3	+8.24E+01
4	+8.45E+01
5	+8.68E+01
6	+8.90E+01



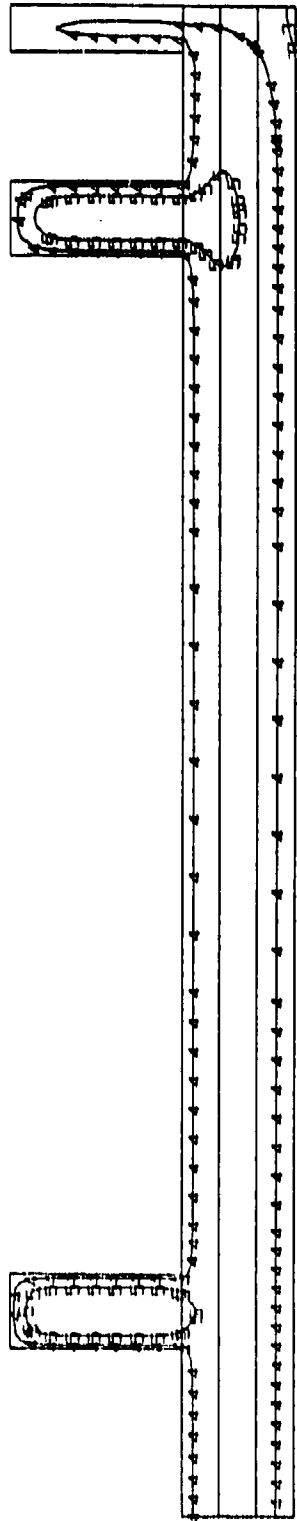
C10

1  
OLMSTED, STRIP METHOD, 60 DEG PLMT TEMP, JUNE 20 START, LIFTS L1\_6

TIME COMPLETED BY THIS STEP +3 000E+00 TOTAL ACCUMULATED TIME +4 000E+01 5 STEP 13 INCREMENT 6

TEMP  
VALUE

1	+7.00E+01
2	+7.40E+01
3	+7.80E+01
4	+8.20E+01
5	+8.60E+01
6	+9.00E+01

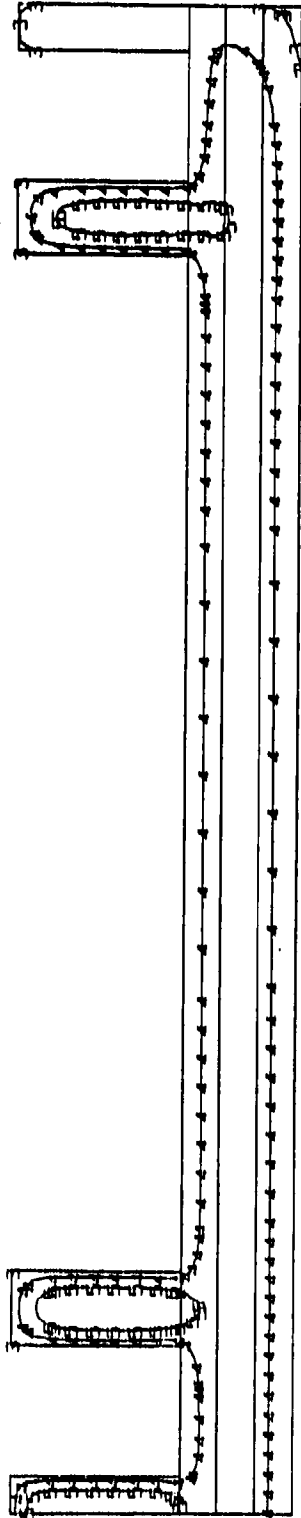


C11

OLMSTED, STRIP METHOD, 60 DEG PLCMT TEMP, JUNE 20 START, LIFTS L1\_7  
TIME COMPLETED IN THIS STEP +3 00CE+00 TOTAL ACCUMULATED TIME +4 50NE+01 S STEP IS INCREMENT 6

TEMP  
VALUE

1	+7.00E+01
2	+7.40E+01
3	+7.80E+01
4	+8.20E+01
5	+8.60E+01
6	+9.00E+01



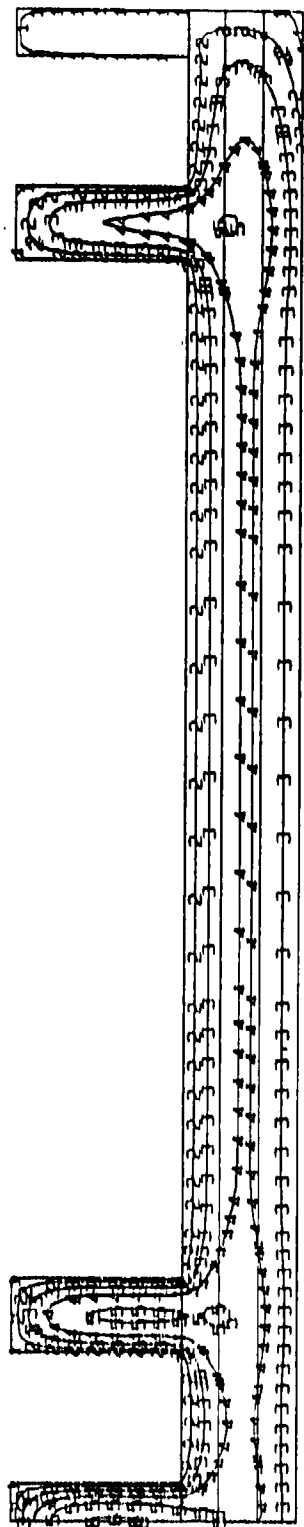
C12

1

OLMSTED, STRIP METHOD, 60 DEG PLCMT TEMP, JUNE 20 START, L1\_8  
TIME COMPLETED IN THIS STEP +2.000E+00 TOTAL ACCUMULATED TIME +5.000E+01 # STEP 17 INCREMENT 6

TEMP  
VALUE

1	+7.50E+01
2	+7.76E+01
3	+7.92E+01
4	+8.08E+01
5	+8.24E+01
6	+8.40E+01



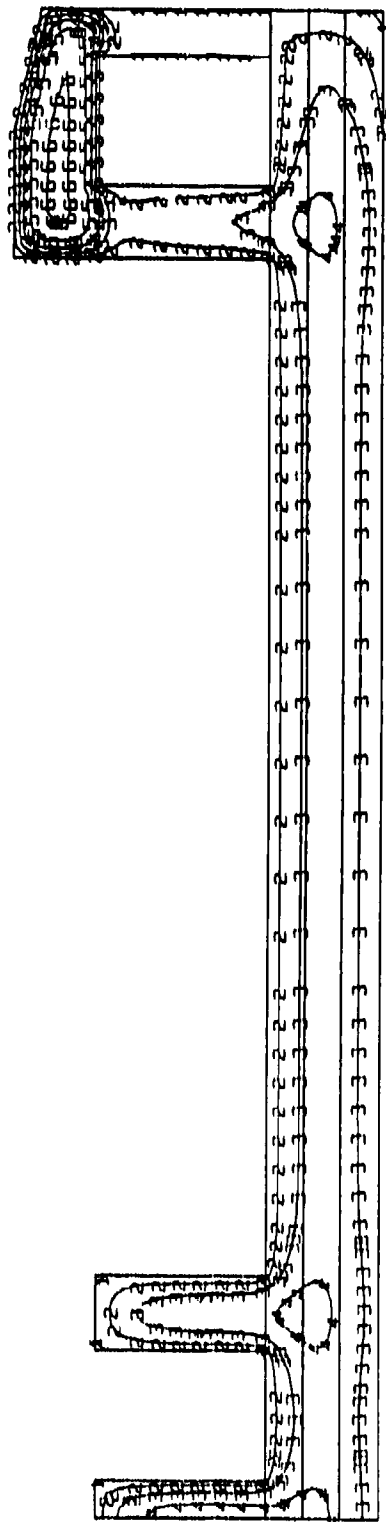
C13

OLMSTED, STRIP METHOD, 60 DEG PLGHT TEMP, JUNE 20 START, LIFTS 1\_8  
 TIME COMPLETED IN THIS STEP +1.500E+01 TOTAL ACCUMULATED TIME +5.500E+01 B STEP 18 INCREMENT: 15



TEMP  
VALUE

1	+7.50E+01
2	+7.70E+01
3	+7.90E+01
4	+8.10E+01
5	+8.30E+01
6	+8.50E+01

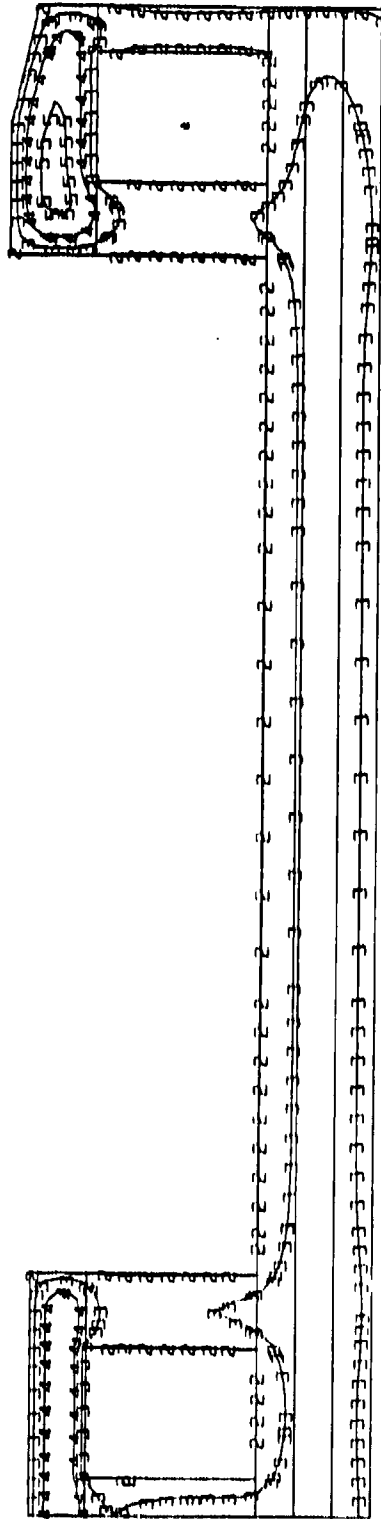


C14

OLMSTED, STRIP METHOD, 60 DEG PLCMT TEMP, JUNE 20 START, L1\_9  
TIME COMPLETED IN THIS STEP +5 000E-01 TOTAL ACCUMULATED TIME +7 000E+01 STEP 2: INCREMENT 1

TEMP  
VALUE

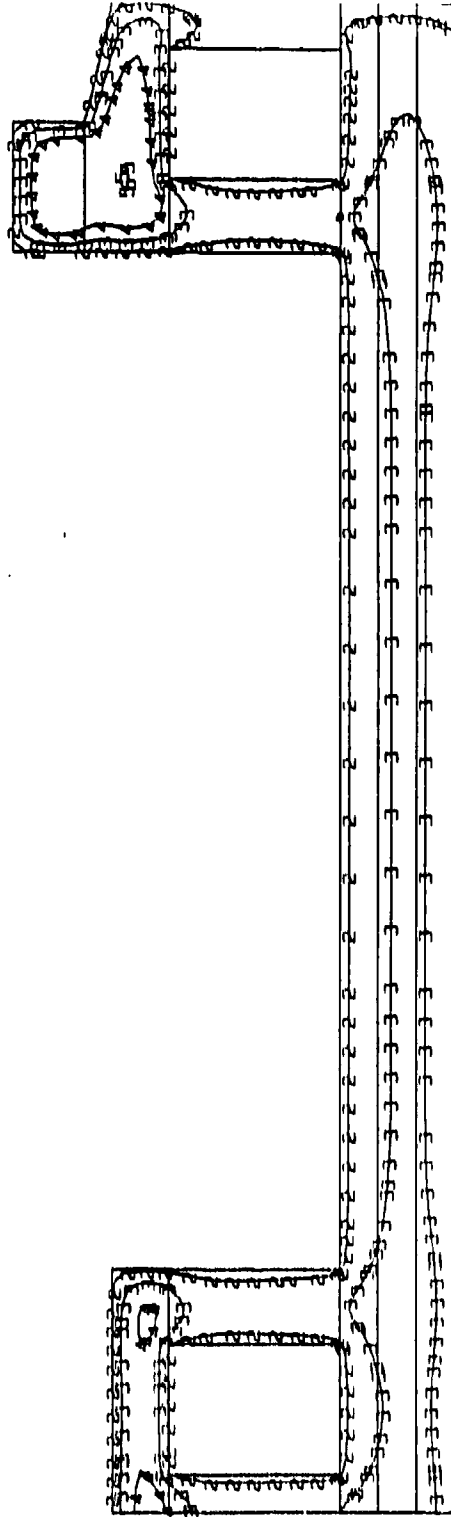
1	+7.00E+01
2	+7.40E+01
3	+7.80E+01
4	+8.20E+01
5	+8.60E+01
6	+9.00E+01



C15

1  
OLMSTED, STRIP METHOD, 60 DEG PLGMT TEMP, JUNE 20 START, L1\_10  
TIME COMPLETED IN THIS STEP +5 000E-01 TOTAL ACCUMULATED TIME +7 500E+01 STEP 24 INCREMENT 1

TEMP	
VALUE	
1	+7.00E+01
2	+7.40E+01
3	+7.80E+01
4	+8.20E+01
5	+8.60E+01
6	+9.00E+01

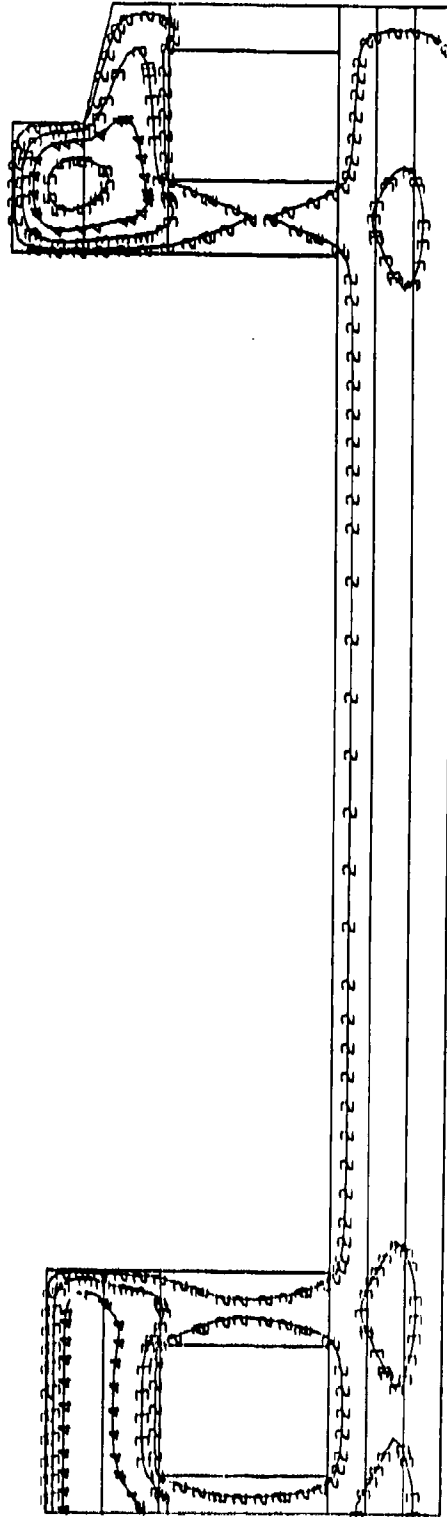


OLMSTED, STRIP METHOD, 60 DEG PLCMT TEMP, JUNE 20 START, L1\_11

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +8.000E+01 STEP 26 INCREMENT 6

TEMP  
VALUE

1	+7.00E+01
2	+7.40E+01
3	+7.80E+01
4	+8.20E+01
5	+8.60E+01
6	+9.00E+01

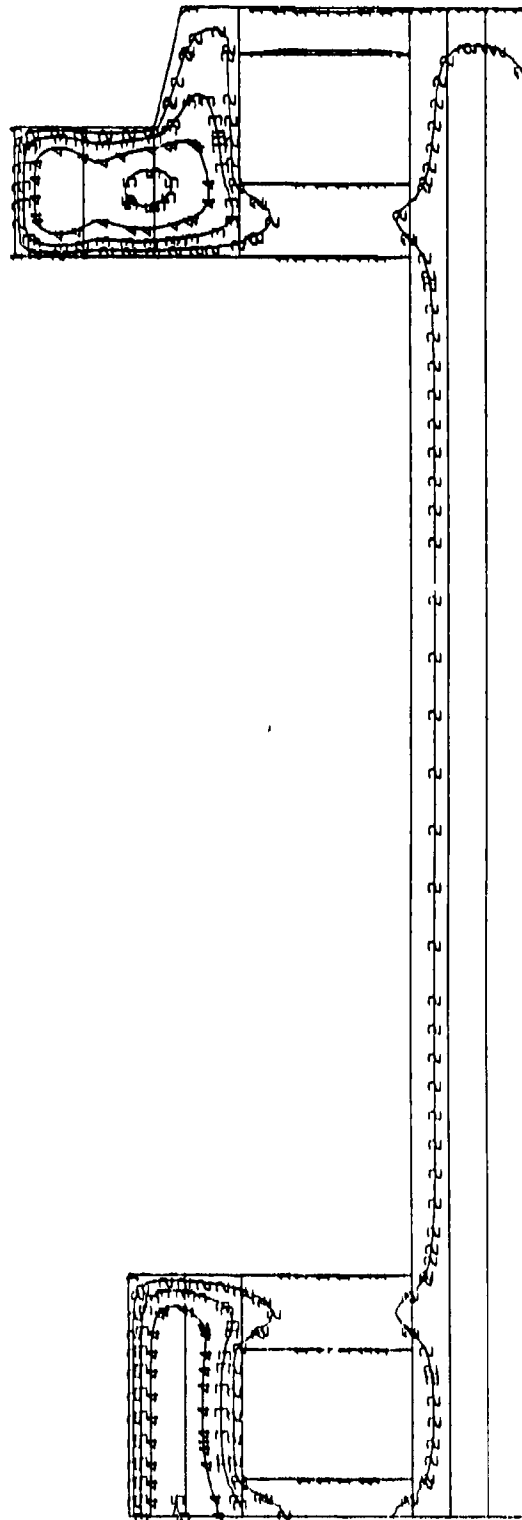


C17

1  
OLMSTED, STRIP METHOD, 60 DEG PLCMT TEMP, JUNE 20 START, L1\_12  
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.500E+01 # STEP 2B INCREMENT 6

TEMP  
VALUE

1	+7.00E+01
2	+7.40E+01
3	+7.80E+01
4	+8.20E+01
5	+8.60E+01
6	+9.00E+01

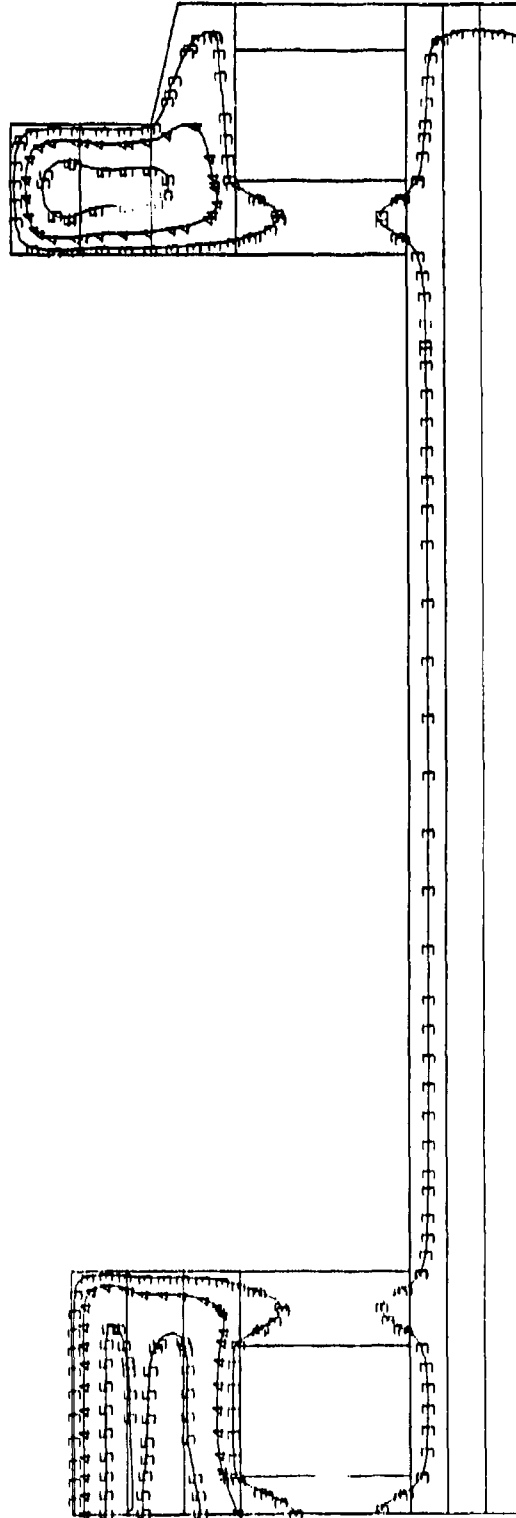


C18

OLMSTED, STRIP METHOD, 60 DEG PLCMT TEMP, JUNE 20 START, L1\_13  
TIME COMPLETED IN THIS STEP +3.00E+00 TOTAL ACCUMULATED TIME +9.00E+01 STEP 30 INCREMENT 6

TEMP  
VALUE

1	+6.00E+01
2	+6.60E+01
3	+7.20E+01
4	+7.80E+01
5	+8.40E+01
6	+9.00E+01

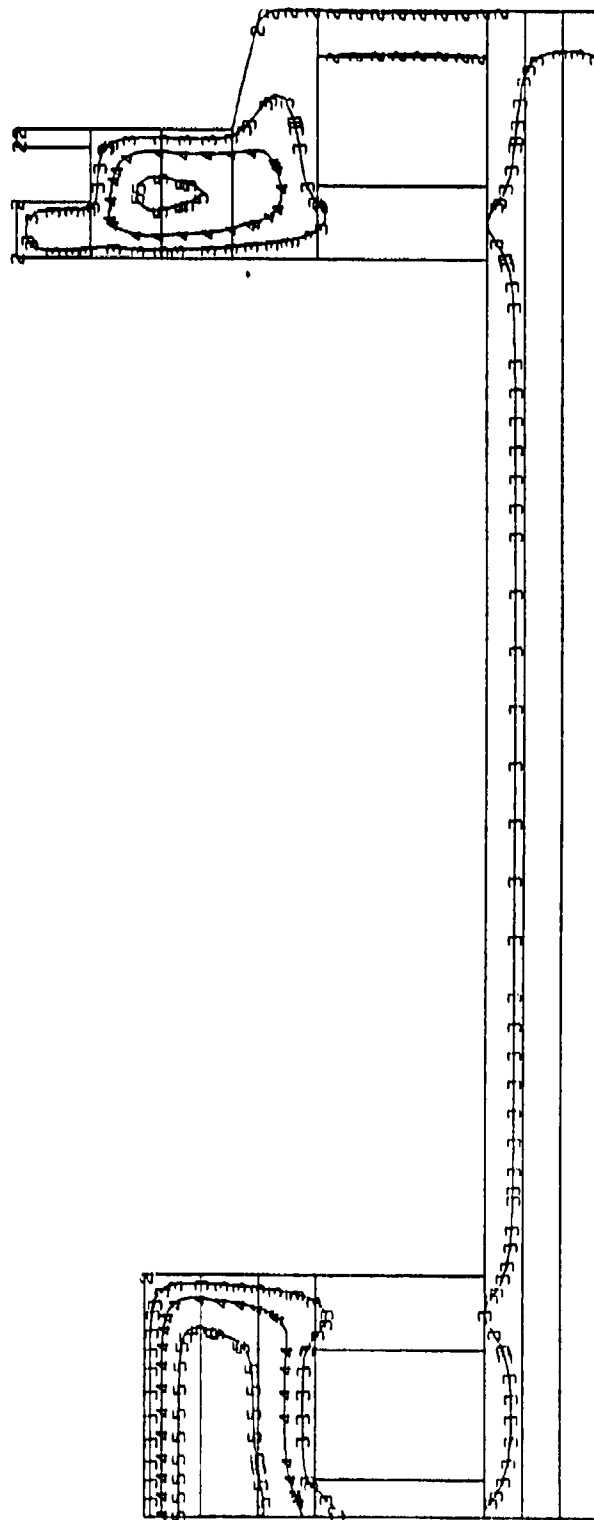


019

1  
OLMSTED, STRIP METHOD, 60 DEG PLMT TEMP, JUNE 20 START, L1\_14  
TIME COMPLETED IN THIS STEP +3 000E+00 TOTAL ACCUMULATED TIME +0 500E+01 8 STEP 32 INCREMENT 5

TEMP  
VALUE

1	+6.00E+01
2	+6.60E+01
3	+7.20E+01
4	+7.80E+01
5	+8.40E+01
6	+9.00E+01

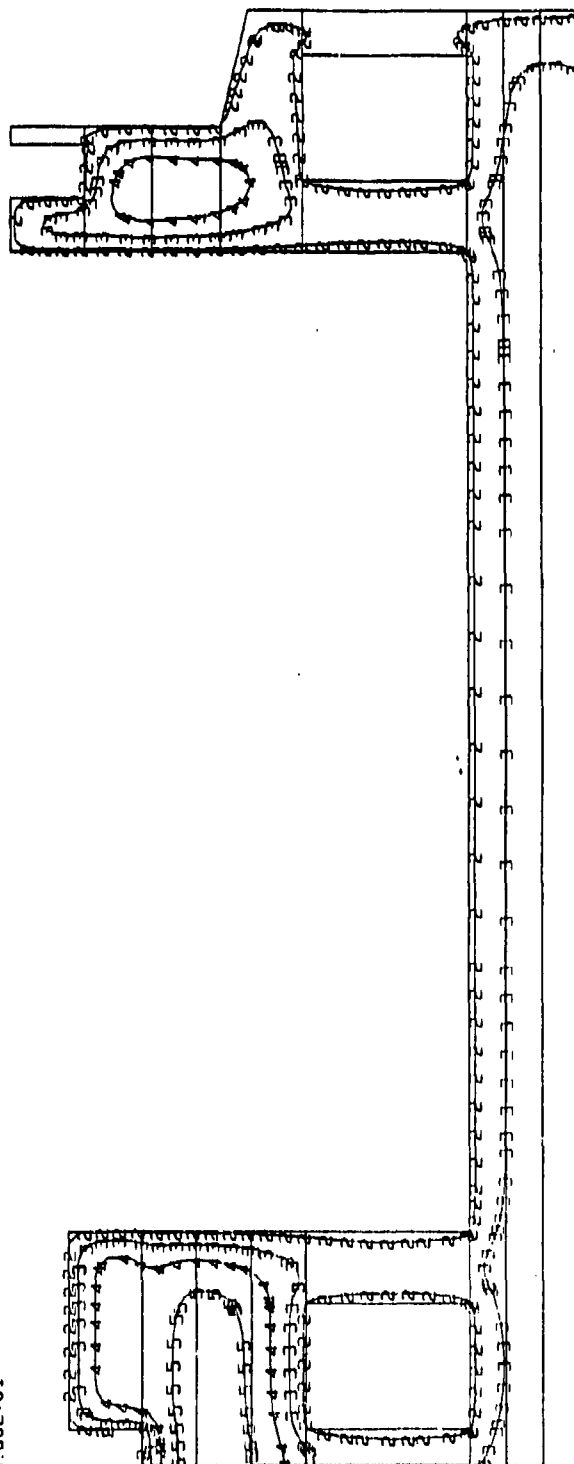


OLMSTED, STRIP METHOD, 60 DEG PLCMT TEMP, JUNE 20 START, L1\_15

TIME COMPLETED IN THIS STEP +3.00E+00 TOTAL ACCUMULATED TIME +1.00E+02 S STEP 34 INCREMENT 6

TEMP  
VALUE

1	+6.00E+01
2	+6.60E+01
3	+7.20E+01
4	+7.80E+01
5	+8.40E+01
6	+9.00E+01



C21

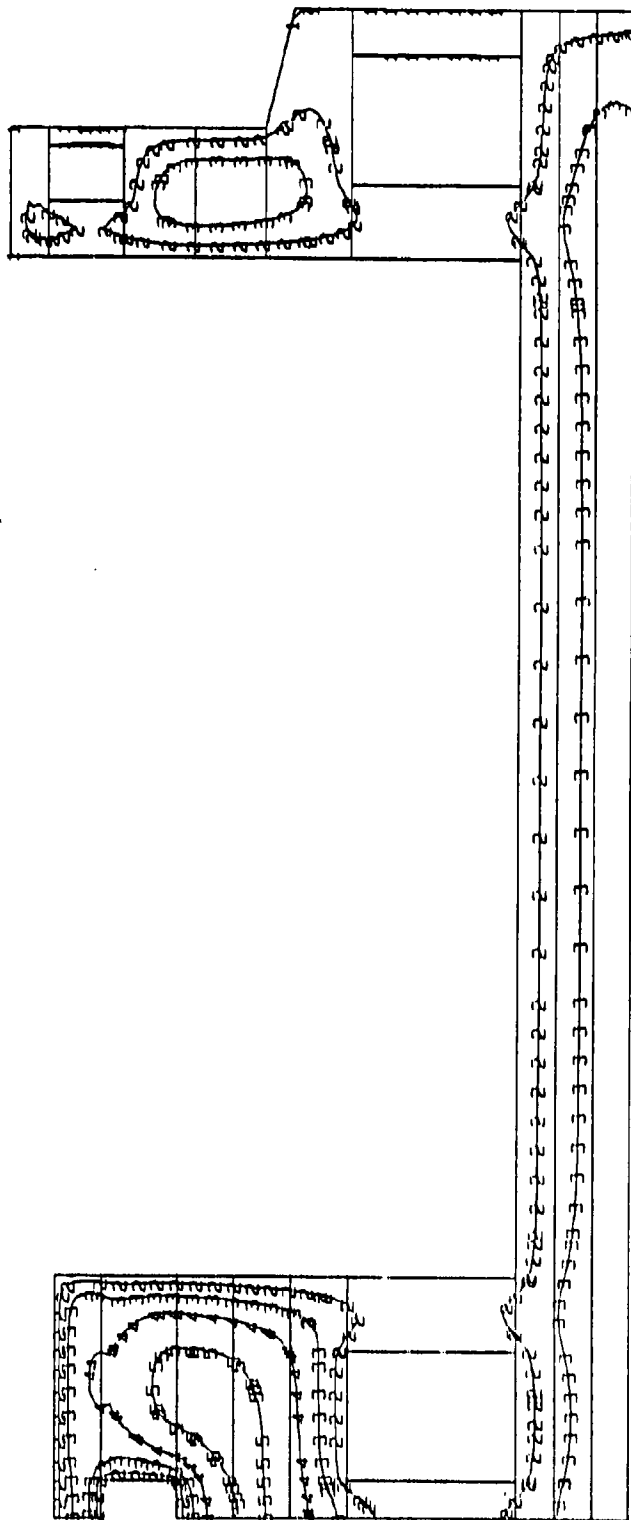
1  
OLMSTED, STRIP METHOD, 60 DEG PLMT TEMP, JUNE 20 START, L1\_16

TIME COMPLETED IN THIS STEP +3 000E+00 TOTAL ACCUMULATED TIME +1 050E+02 S STEP 36 INCREMENT 6



TEMP  
VALUE

1 +6.00E+01  
2 +6.50E+01  
3 +7.20E+01  
4 +7.80E+01  
5 +8.40E+01  
6 +9.00E+01

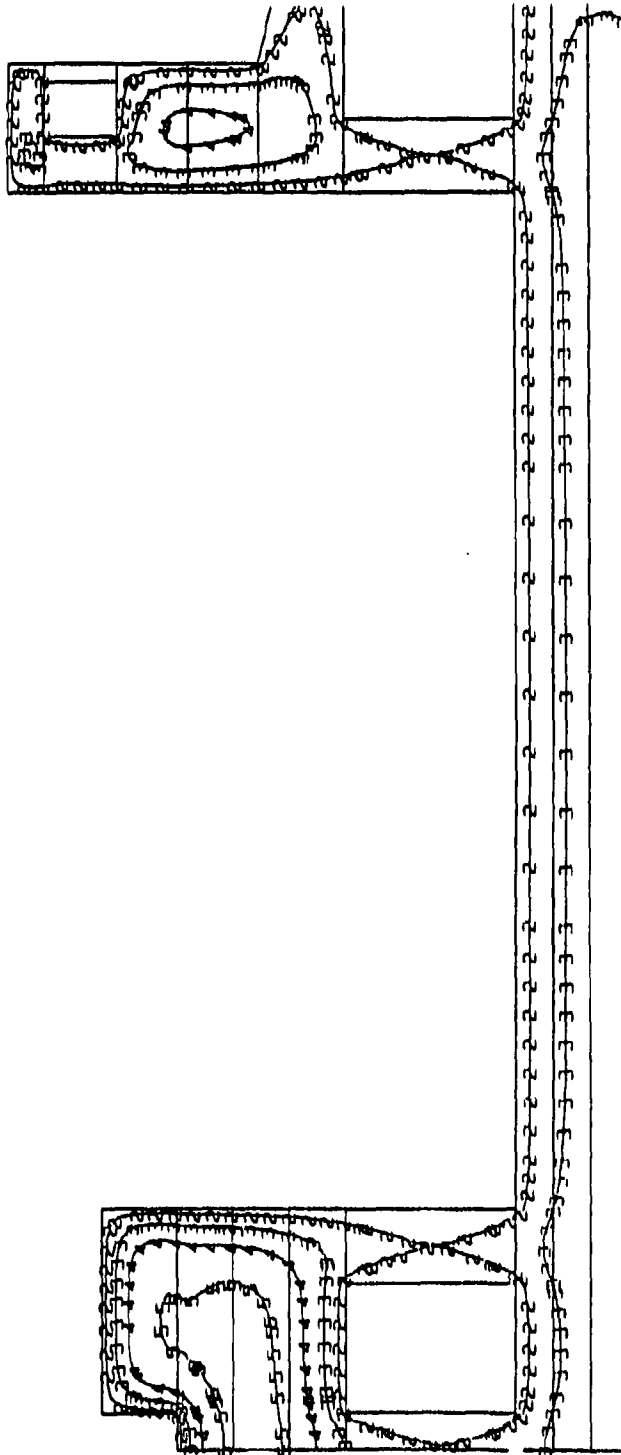


C22

1  
OLMSTED, STRIP METHOD, 60 DEG PLCMT TEMP, JUNE 20 START, L1\_18  
TIME COMPLETED IN THIS STEP +5.000E-01 TOTAL ACCUMULATED TIME +1.150E+02 S STEP 42 INCREMENT 1

VALUE

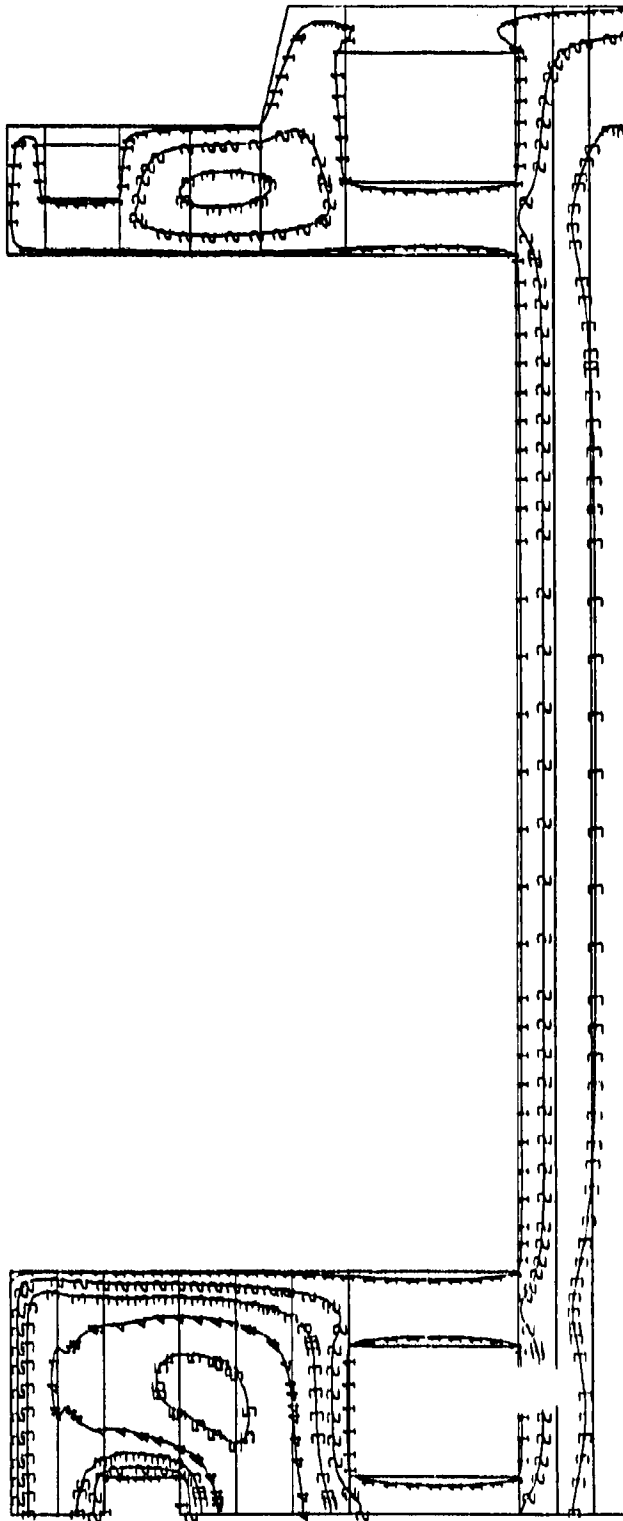
1	+5.00E+01
2	+6.60E+01
3	+7.20E+01
4	+7.80E+01
5	+8.40E+01
6	+9.00E+01



1  
OLMSTED, STRIP METHOD, 60 DEG PLCMT TEMP, JUNE 20 START, L1\_17  
TIME COMPLETED IN THIS STEP +5.000E-01 TOTAL ACCUMULATED TIME +1.100E+02 H STEP 39 INCREMENT 1

TEMP  
VALUE

1	+6.00E+01
2	+6.60E+01
3	+7.20E+01
4	+7.90E+01
5	+8.40E+01
6	+9.00E+01

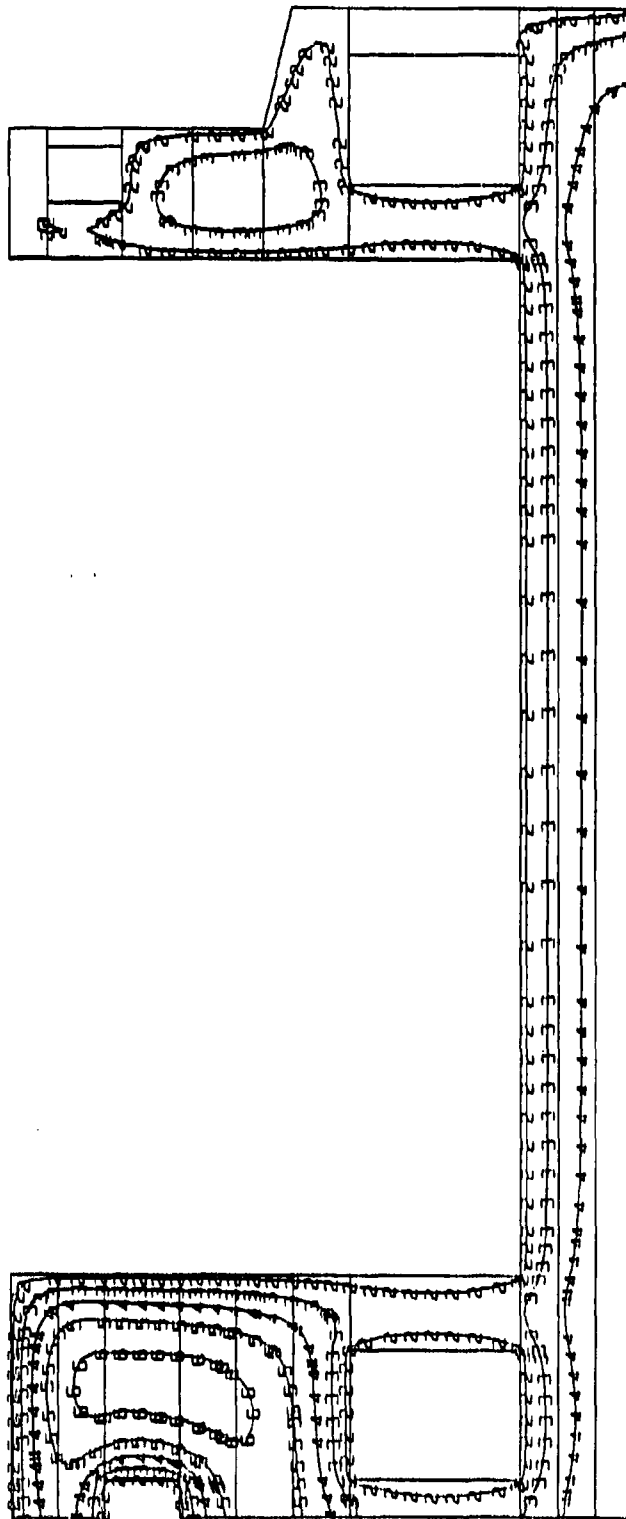


C24

1  
OLMSTED, STRIP METHOD, 60 DEG PLMT TEMP, JUNE 20 START, L1\_19  
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.200E+02 S STEP 44 INCREMENT 6

TEMP  
VALUE

1	+5.00E+01
2	+5.60E+01
3	+6.20E+01
4	+6.80E+01
5	+7.40E+01
6	+8.00E+01

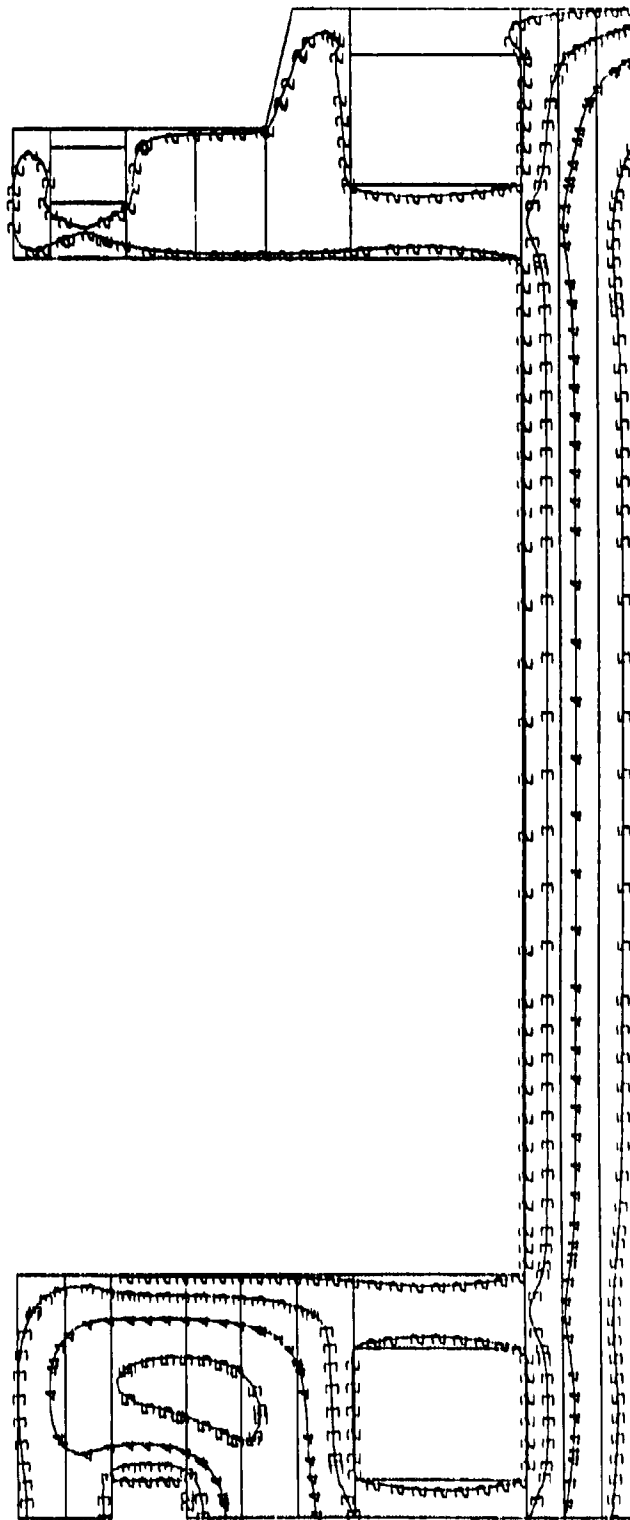


1  
OLMSTED, STRIP METHOD, 60 DEG PLCMT TEMP, JUNE 20 START, LIFTS 1\_19

TIME COMPLETED IN THIS STEP 11 30:01:01 TOTAL ACCUMULATED TIME 11 32:01:02 STEP 45 INCREMENT 13

٤٤

1	+3.00E+01
2	+3.80E+01
3	+4.60E+01
4	+5.40E+01
5	+6.20E+01
6	+7.00E+01



OLMSTED, STRIP METHOD, 60 DEG PLCMT TEMP, JUNE 20 START, L1\_19

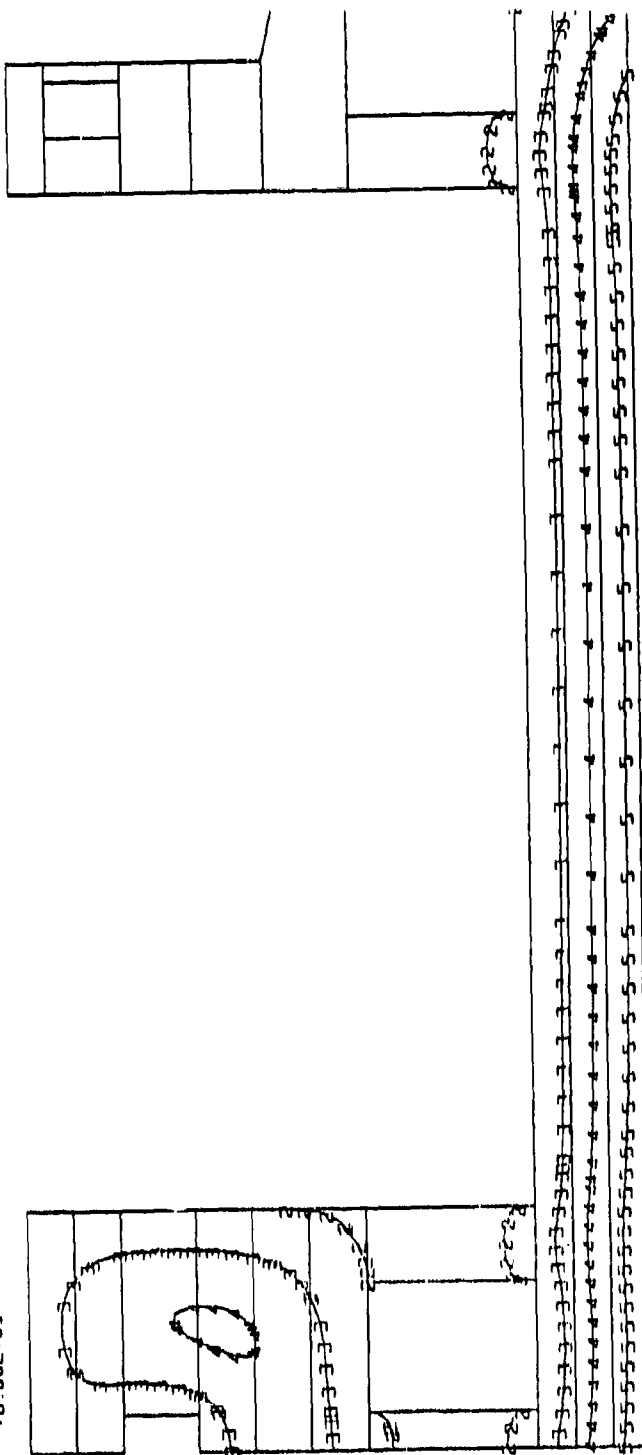
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TIME COMPLETED IN THIS STEP  +5 000E+01  TOTAL ACCUMULATED TIME  +1 640E+02 S  STEP 47  INCREMENT 25

```

TEMP  
VALUE

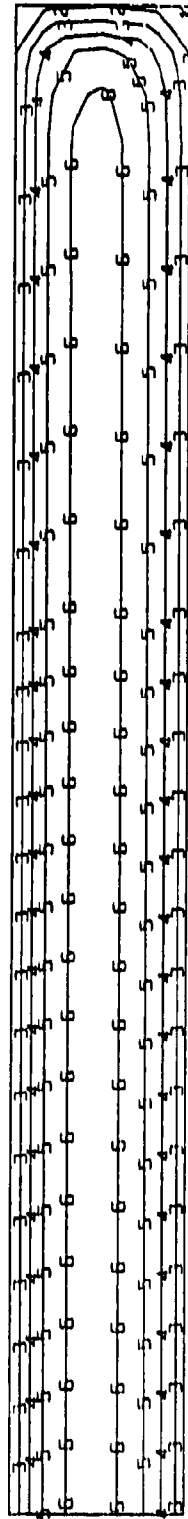
1	+3.00E+01
2	+3.60E+01
3	+4.20E+01
4	+4.80E+01
5	+5.40E+01
6	+6.00E+01



OLMSTED. STRIP METHOD, 60 DEG PLCMT TEMP, JUNE 20 START. L1\_19

TEMP  
VALUE

1	+7.80E+01
2	+8.00E+01
3	+8.20E+01
4	+8.40E+01
5	+8.60E+01
6	+8.80E+01



C28

1  
OLMSTED, BLOCK METHOD, 60 DEG PLMT TEMP, JUNE 20 START, L1  
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +5.000E+00 # STEP 2 INCREMENT 6

TEMP  
VALUE

1	+7.00E+01
2	+7.40E+01
3	+7.80E+01
4	+8.20E+01
5	+8.60E+01
6	+9.00E+01

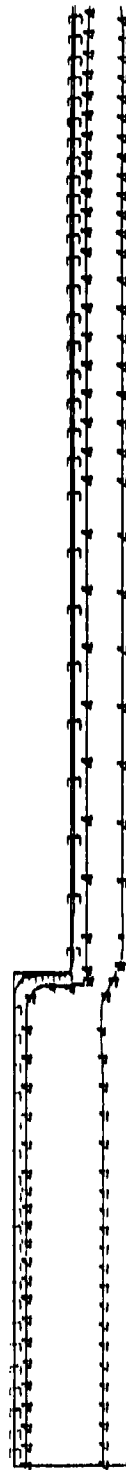


C29

1  
OLMSTED. BLOCK METHOD. 60 DEG PLCMT TEMP. JUNE 20 START. L1\_2  
TIME STARTED IN THIS STEP +3 000E+00 TOTAL ACCUMULATED TIME +1 000E+01 N STEP 4 INCREMENT 6



TEMP	
VALUE	
1	+7.00E+01
2	+7.60E+01
3	+8.20E+01
4	+8.80E+01
5	+9.40E+01
6	+1.00E+02

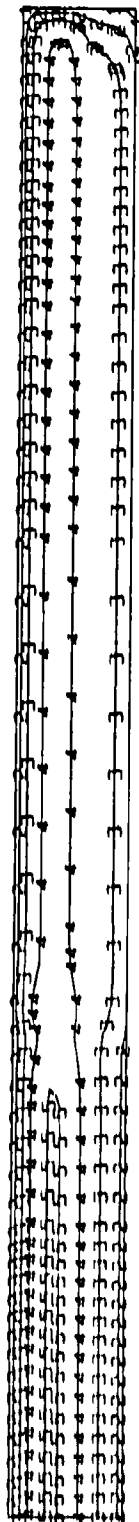


030

OLMSTED, BLOCK METHOD, 60 DEG PLMT TEMP, JUNE 20 START, LIFTS

TIME COMPLETED IN THIS STEP -3 000E+00 TOTAL ACCUMULATED TIME -3 500E+01 S STEP 6 INCREMENT 6

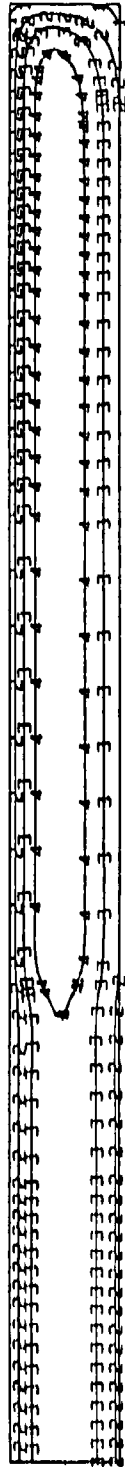
TEMP	
VALUE	
1	+8.00E+01
2	+8.40E+01
3	+8.80E+01
4	+9.20E+01
5	+9.60E+01
6	+1.00E+02



1

OLMSTED. BLOCK METHOD. 60 DEG PLMT TEMP. JUNE 20 START. LIFTS 1\_4  
 TIME REQUIRED IN THIS STEP 43.00E+01 TOTAL ACCUMULATED TIME 42.00E+01 STEP 8 INCREMENT 6

TEMP VALUE	
1	+8.00E+01
2	+8.40E+01
3	+8.80E+01
4	+9.20E+01
5	+9.60E+01
6	+1.00E+02



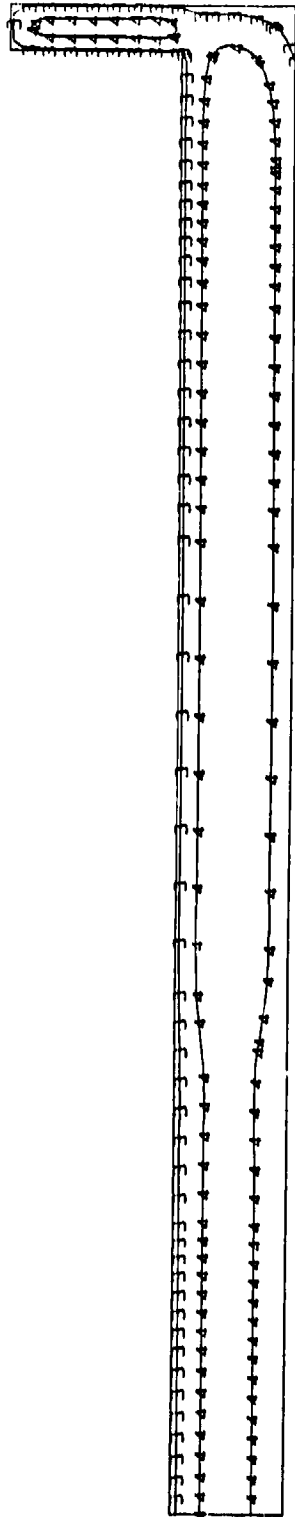
C32

OLMSTED, BLOCK METHOD, . 60 DEG TEMP, JUNE 20 START, LIFTS 1\_4

TIME COMPLETED IN THIS STEP +1.000E+01 TOTAL ACCUMULATED TIME +3.000E+01 STEP 9 INCREMENT 10

TEMP  
VALUE

1	+7.00E+01
2	+7.60E+01
3	+8.20E+01
4	+8.80E+01
5	+9.40E+01
6	+1.00E+02

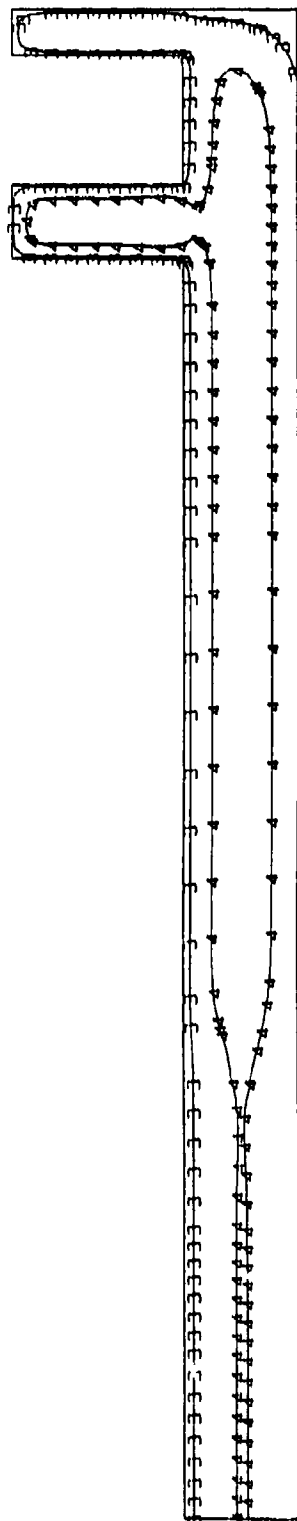


C33

1  
OLMSTED, BLOCK METHOD, 60 DEG PI CMT TEMP, JUNE 20 START, 1.1 5

TEMP  
VALUE

1	+7.00E+01
2	+7.50E+01
3	+8.20E+01
4	+8.80E+01
5	+9.40E+01
6	+1.00E+02



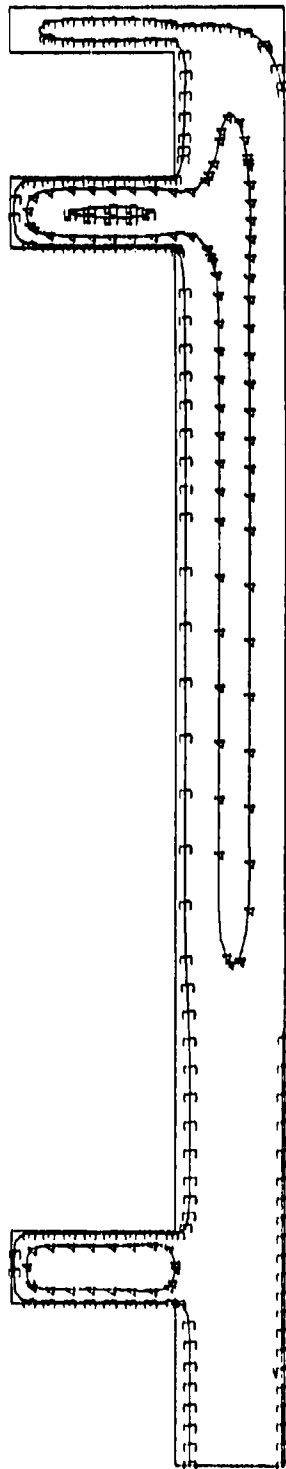
C34

1

OLMSTED. BLOCK METHOD. 60 DEG PLGMT TEMP. JUNE 20 START. LIFTS L1\_6

TEMP  
VALUE

1	+7.00E+01
2	+7.60E+01
3	+8.20E+01
4	+8.80E+01
5	+9.40E+01
6	+1.00E+02

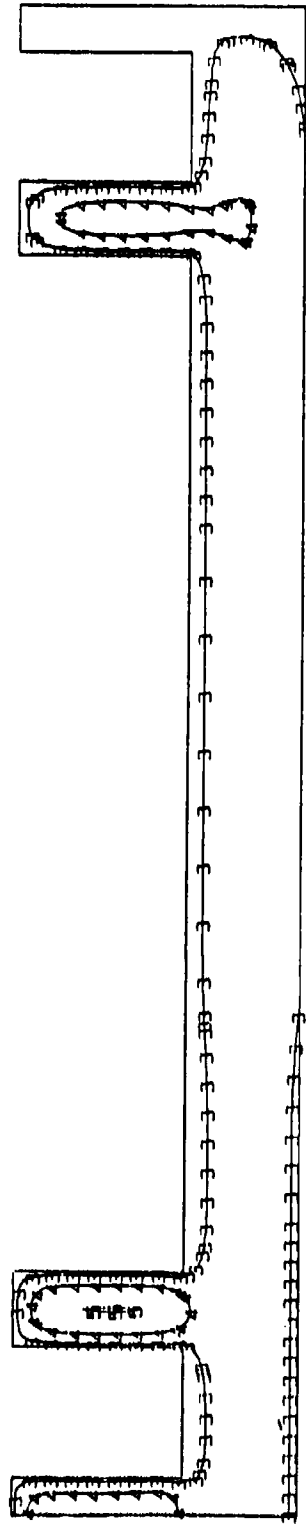


C35

1  
MSTEN B1 NCK MFTHNN 60 NEG PI CMT TEMP JUNE 20 START LIFTS J 1 7

TEMP  
VALUE

1	+7.00E+01
2	+7.60E+01
3	+8.20E+01
4	+8.80E+01
5	+9.40E+01
6	+1.00E+02



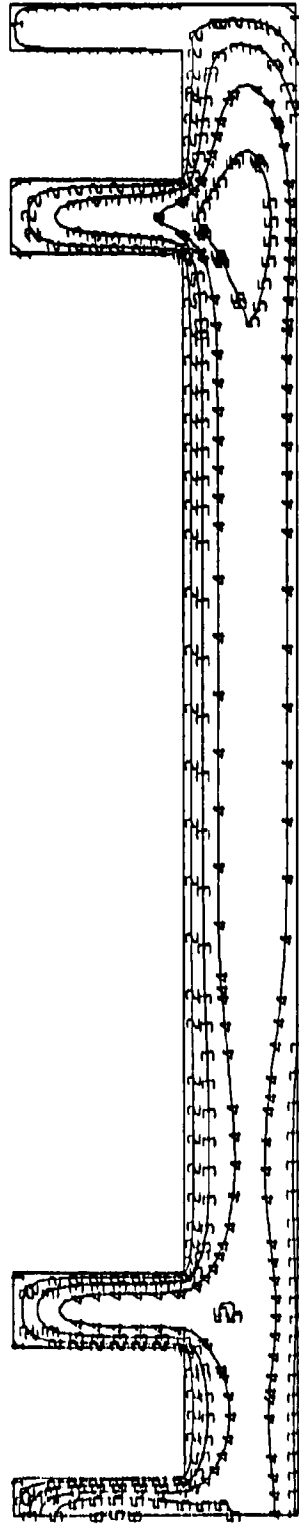
C36



1  
CUMSTED BLOCK METHOD, 60 DEG PI CMT TEMP, JUNE 20 START, 1 1 8

TEMP  
VALUE

1	+7.60E+01
2	+7.78E+01
3	+7.96E+01
4	+8.14E+01
5	+8.32E+01
6	+8.50E+01



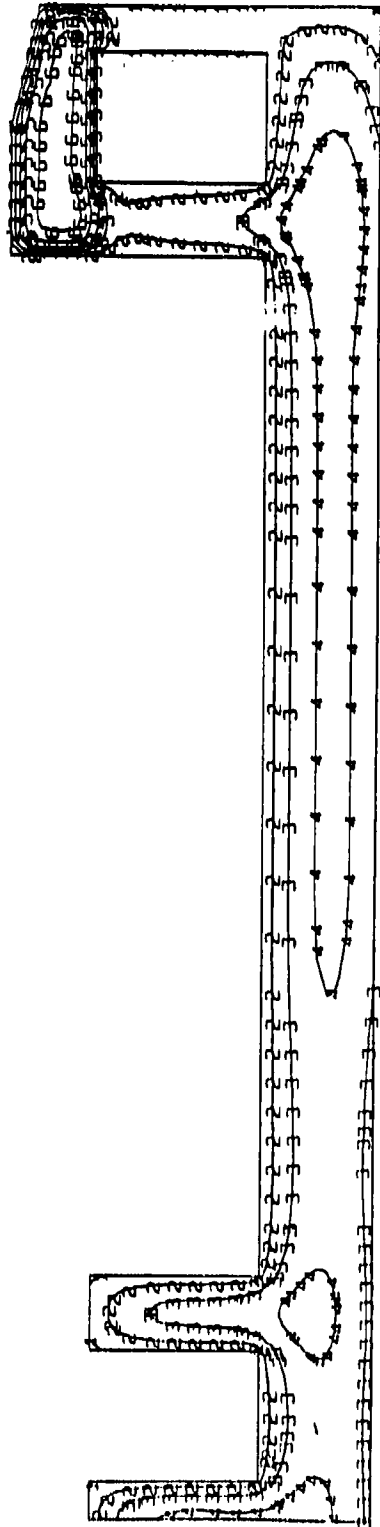
C37

OLMSTED, BLOCK METHOD, 60 DEG PLGMT TEMP, JUNE 20 START, LIFTS 1 8



TEMP  
VALUE

1	+7.50E+01
2	+7.72E+01
3	+7.94E+01
4	+8.16E+01
5	+8.38E+01
6	+8.60E+01

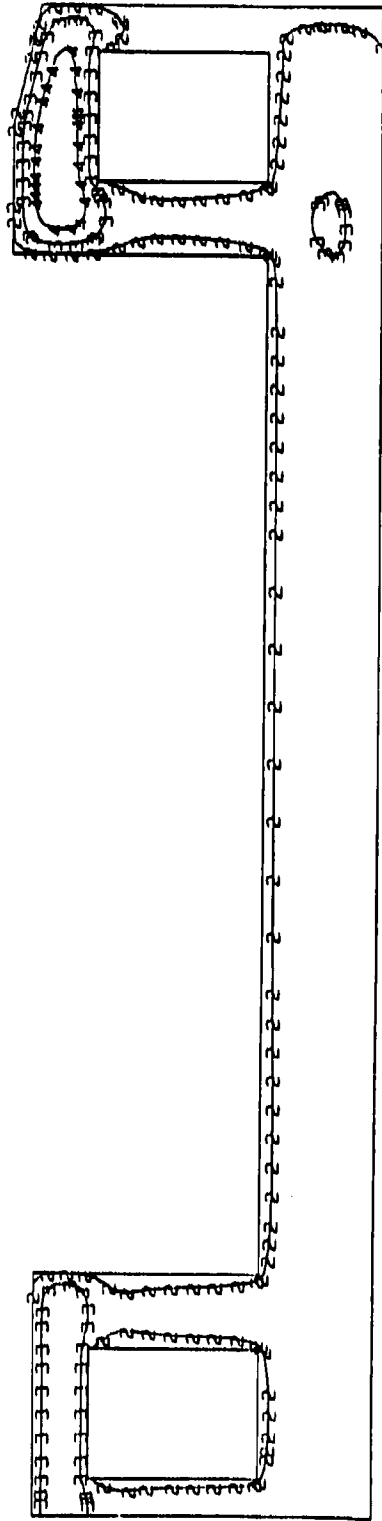


C38

1  
DIMENSIONED BY NCK METHOD 60 DEG DIMT TEMP LINE 20 START 1 1 0

TEMP  
VALUE

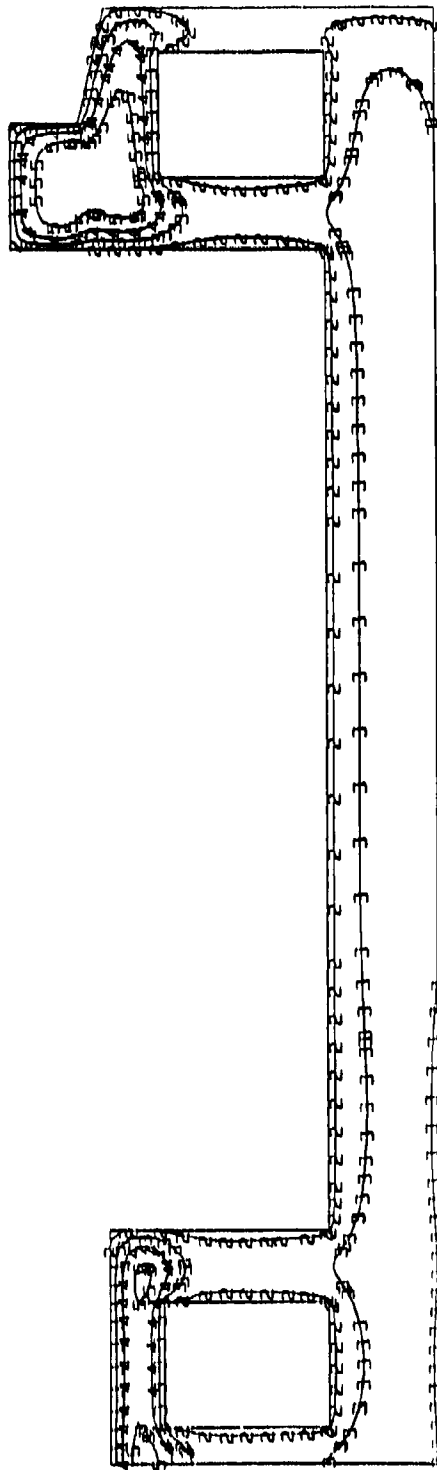
1	+7.00E+01
2	+7.60E+01
3	+8.20E+01
4	+8.80E+01
5	+9.40E+01
6	+1.00E+02



C39

OLMSTED, BLOCK METHOD, 60 DEG PL.CMT TEMP, JUNE 20 START, L1 10

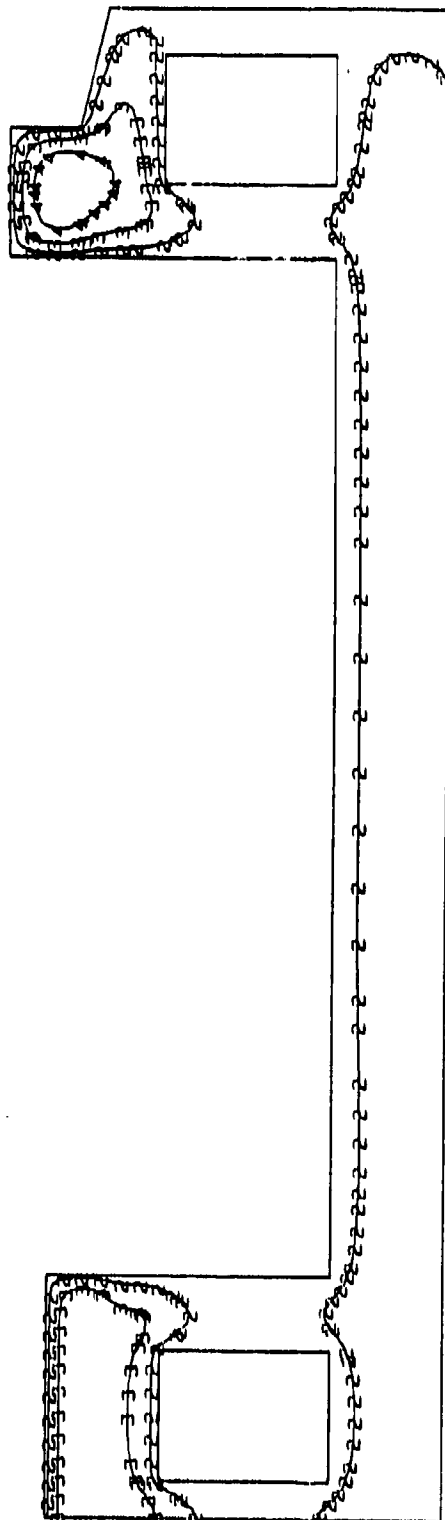
TR	VALUE
1	+7.00E+01
2	+7.40E+01
3	+7.90E+01
4	+8.20E+01
5	+8.60E+01
6	+9.00E+01



C40

1  
MINSTEN BLOCK METHOD. 60 DEG PI CMT TEMP .JUNE 20 START. 11 11

TEMP	VALUE
1	+7.00E+01
2	+7.60E+01
3	+8.20E+01
4	+8.80E+01
5	+9.40E+01
6	+1.00E+02



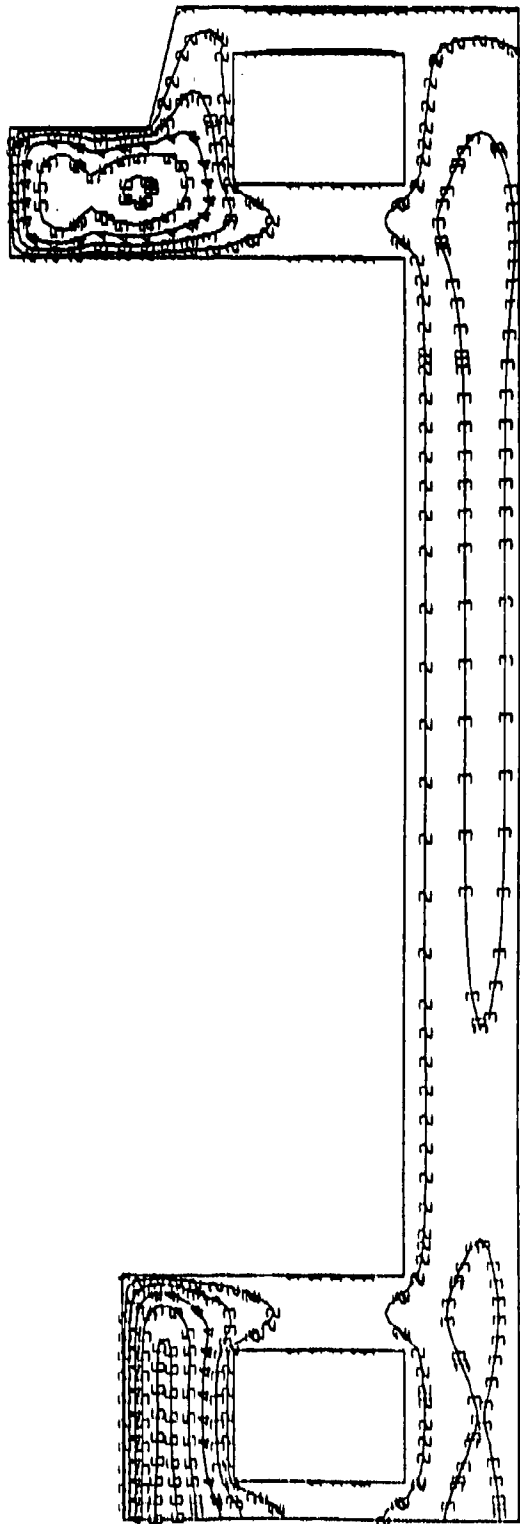
C41

1

NUMSTEN RI OCK METHOD 60 DEG PI CMT TEMP .JUNE 20 START 11 12

TEMP  
VALUE

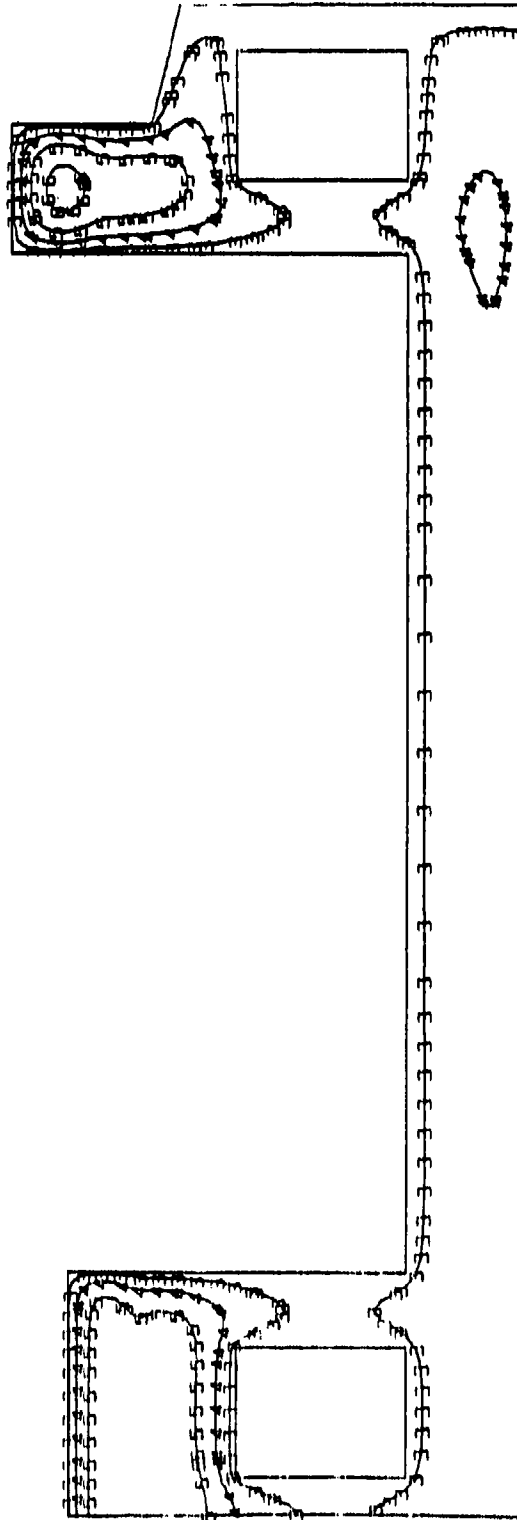
1	+7.00E+01
2	+7.40E+01
3	+7.80E+01
4	+8.20E+01
5	+8.60E+01
6	+9.00E+01



1  
ON MCTED PI ORK METHODON 60 NEG PI OMT TEMP .IINE 20 START I 1 13

TEMP  
VALUE

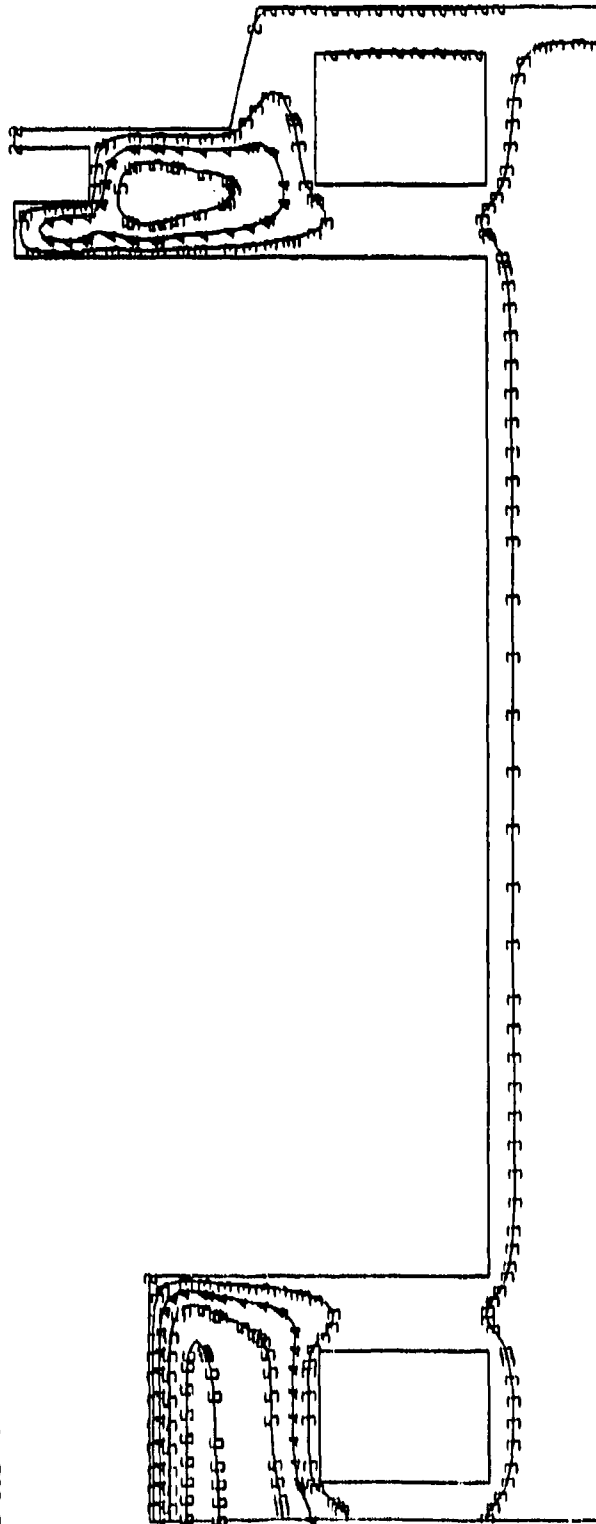
1	+6.00E+01
2	+6.60E+01
3	+7.20E+01
4	+7.80E+01
5	+8.40E+01
6	+9.00E+01



C43

1  
MASTERED BY ROCK METHODON 60 DEG PI CMT TEMP JUNE 20 START 11 14

TEMP	VALUE
1	+6.00E+01
2	+6.60E+01
3	+7.20E+01
4	+7.80E+01
5	+8.40E+01
6	+9.00E+01

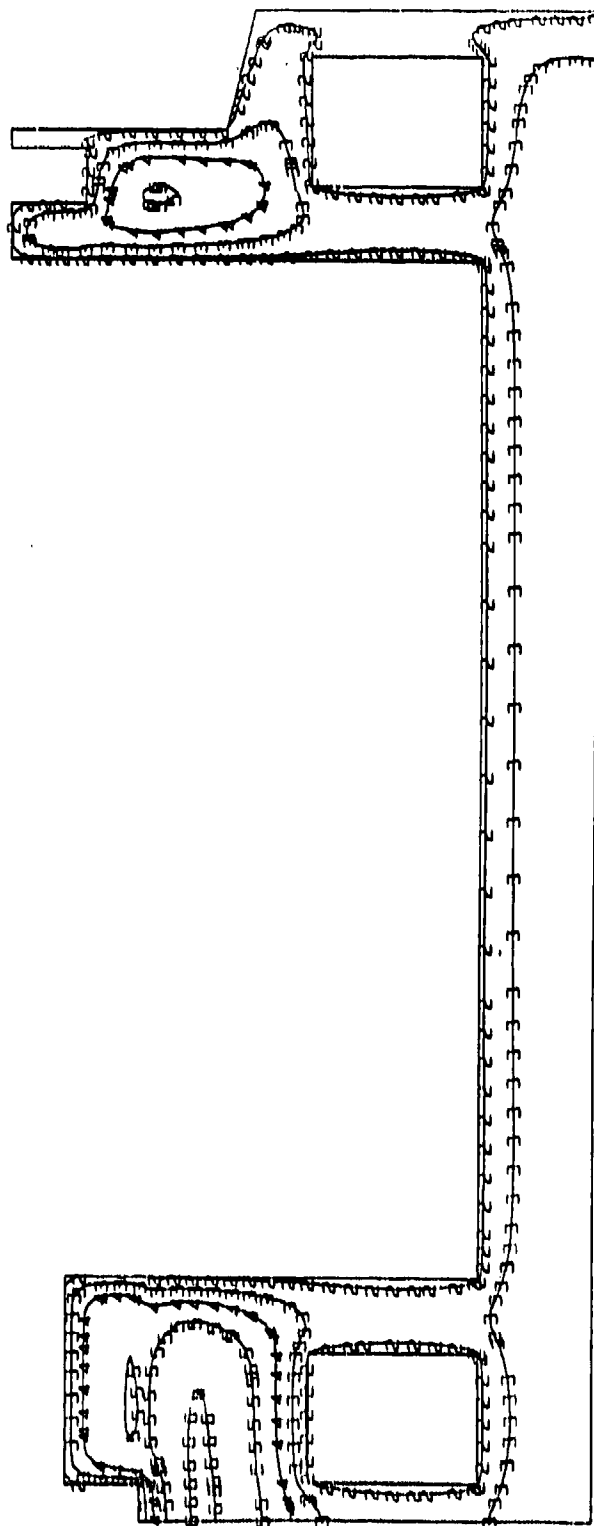


C44

1  
OIMSTED, BLOCK METHOD, 60 DEG PLCMT TEMP, JUNE 20 START, L1 15

TEMP  
VALUE

1	+6.00E+01
2	+6.60E+01
3	+7.20E+01
4	+7.80E+01
5	+8.40E+01
6	+9.00E+01



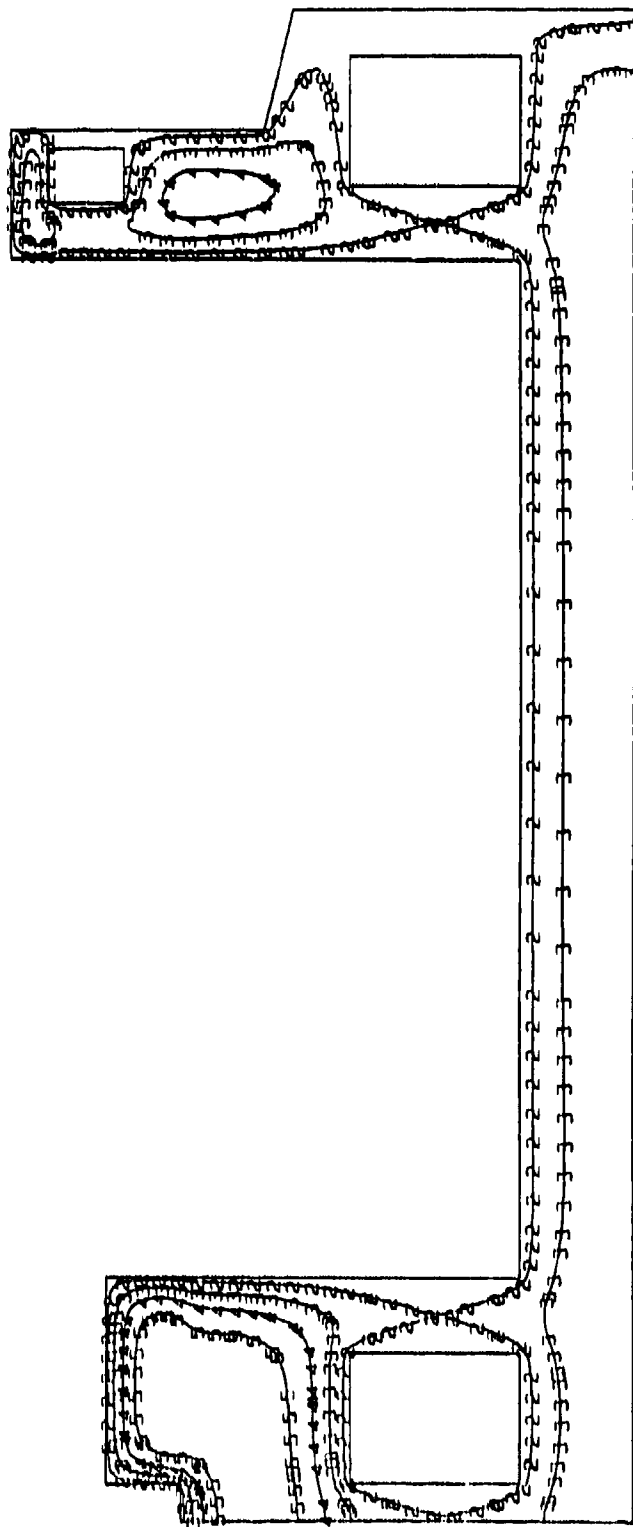
C45

1  
DIMSTED BLOCK METHOD 60 DEG PLANT TEMP JUNE 20 START 11 16



TEMP  
VALUE

1	+6.00E+01
2	+6.60E+01
3	+7.20E+01
4	+7.80E+01
5	+8.40E+01
6	+5.00E+01

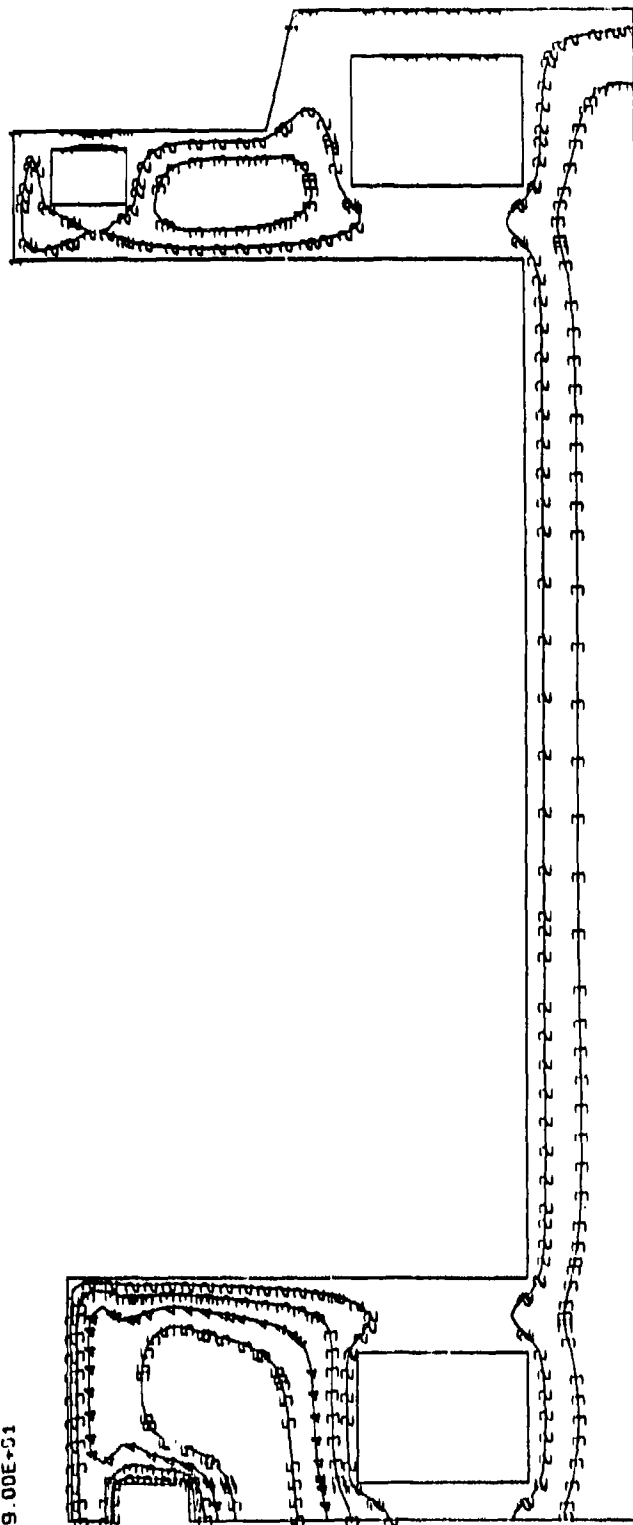


C46

OLMSTED, BLOCK METHOD, 60 DEG PLGMT TEMP, JUNE 20 START, L1 17

TEMP  
VALUE

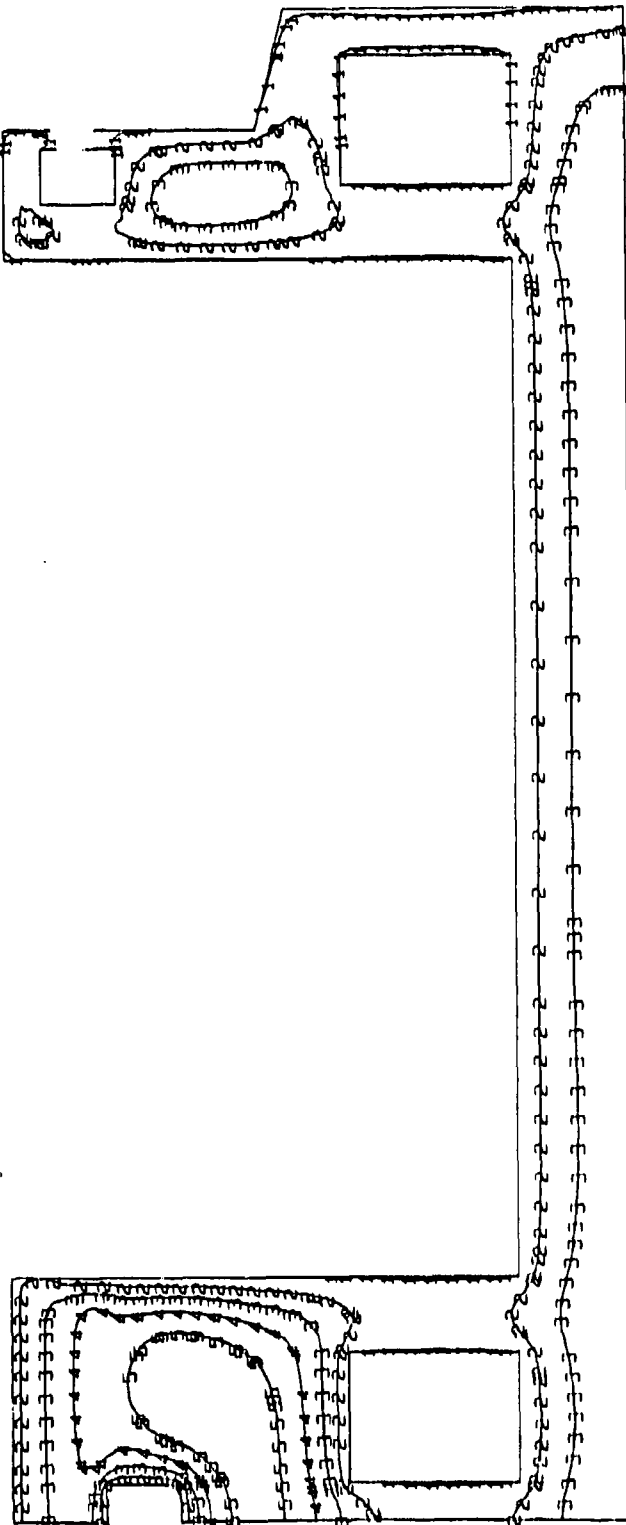
1	+5.00E+01
2	-6.60E+01
3	+7.20E+01
4	+7.60E+01
5	+8.40E+01
6	+9.00E+01



1  
NIMSTER BLOCK METHODON 60 DEG PI CMT TEMP HINE 20 START 11 18

TEMP  
VALUE

1 +6.00E+01  
2 +6.60E+01  
3 +7.20E+01  
4 +7.80E+01  
5 +8.40E+01  
6 +9.00E+01

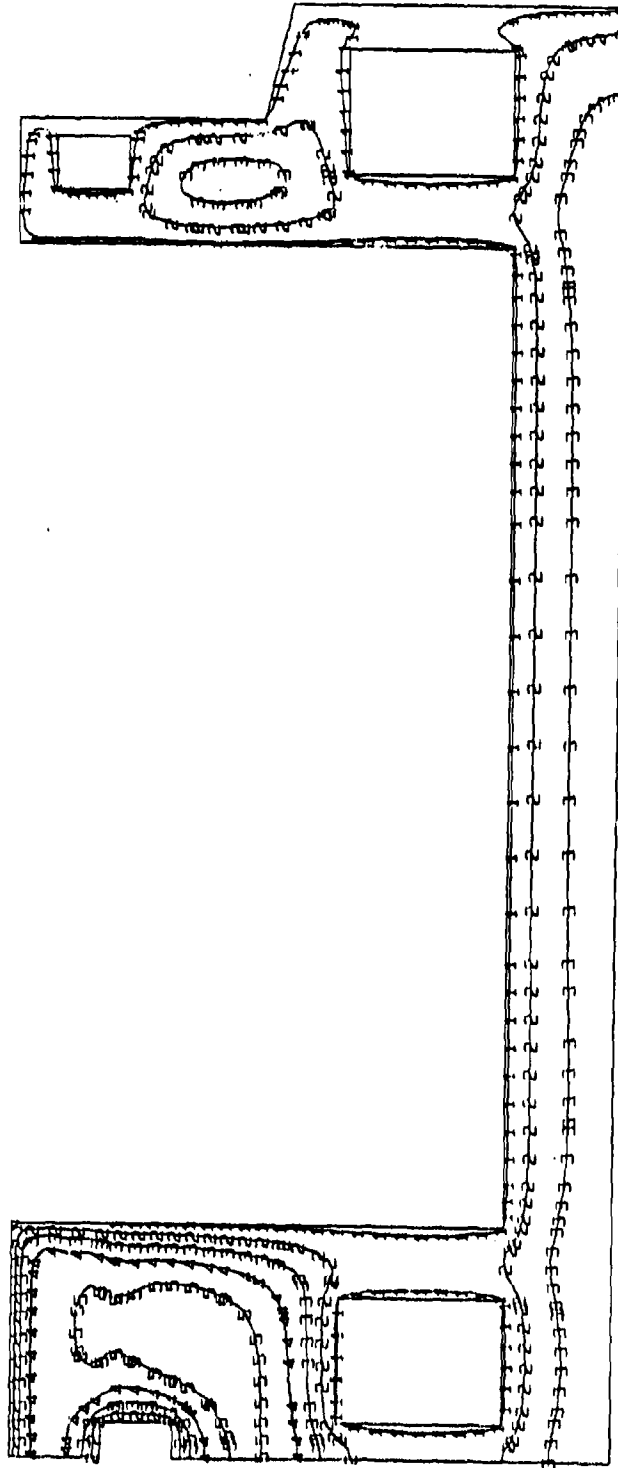


C48

1  
DIMSTED, BLOCK METHOD, 60 DEG PI CMT TEMP, JUNE 20 START, 11 19

TEMP  
VALUE

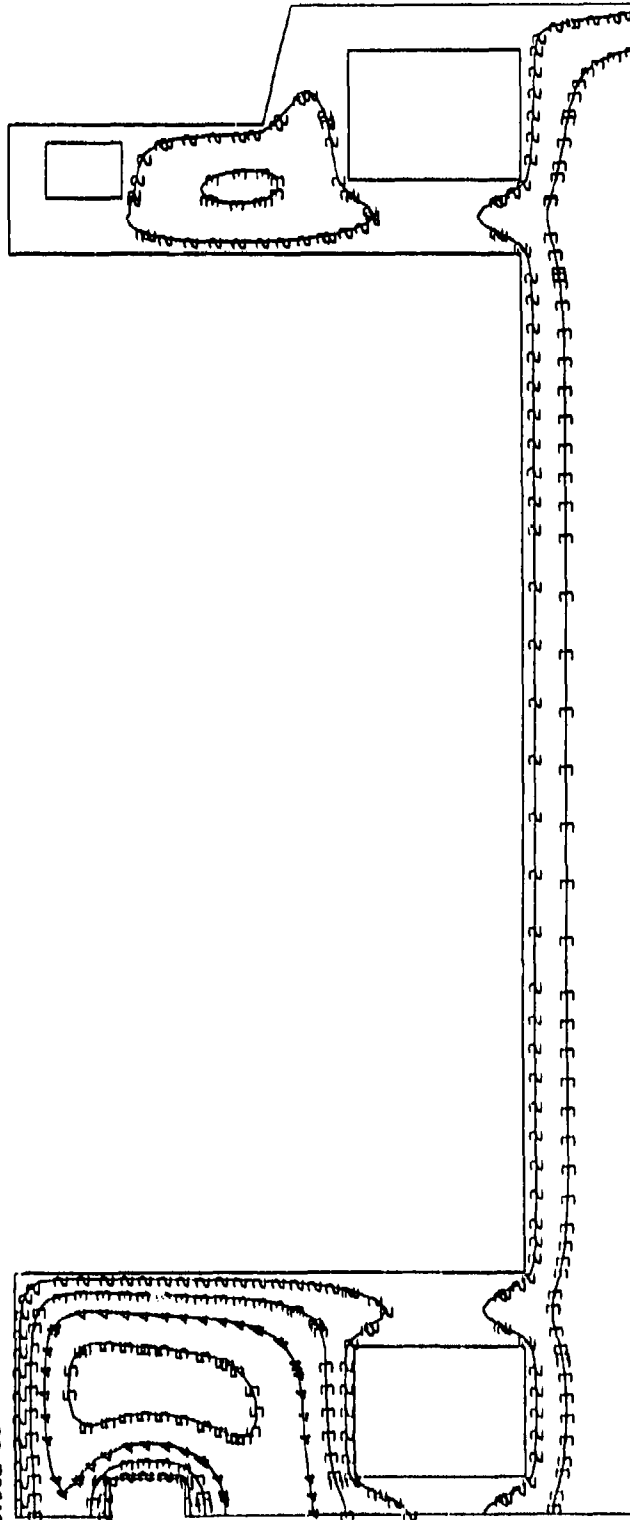
1	+5.00E+01
2	+6.63E+01
3	+7.20E+01
4	+7.80E+01
5	+8.40E+01
6	+9.00E+01



1  
DIMSTED. BLOCK METHOD. 60 DEG PI CMT TFP .JINF 20 START. 1 1 19

TEMP  
VALUE

1	+5.00E+01
2	+5.80E+01
3	+6.50E+01
4	+7.40E+01
5	+8.20E+01
6	+9.00E+01

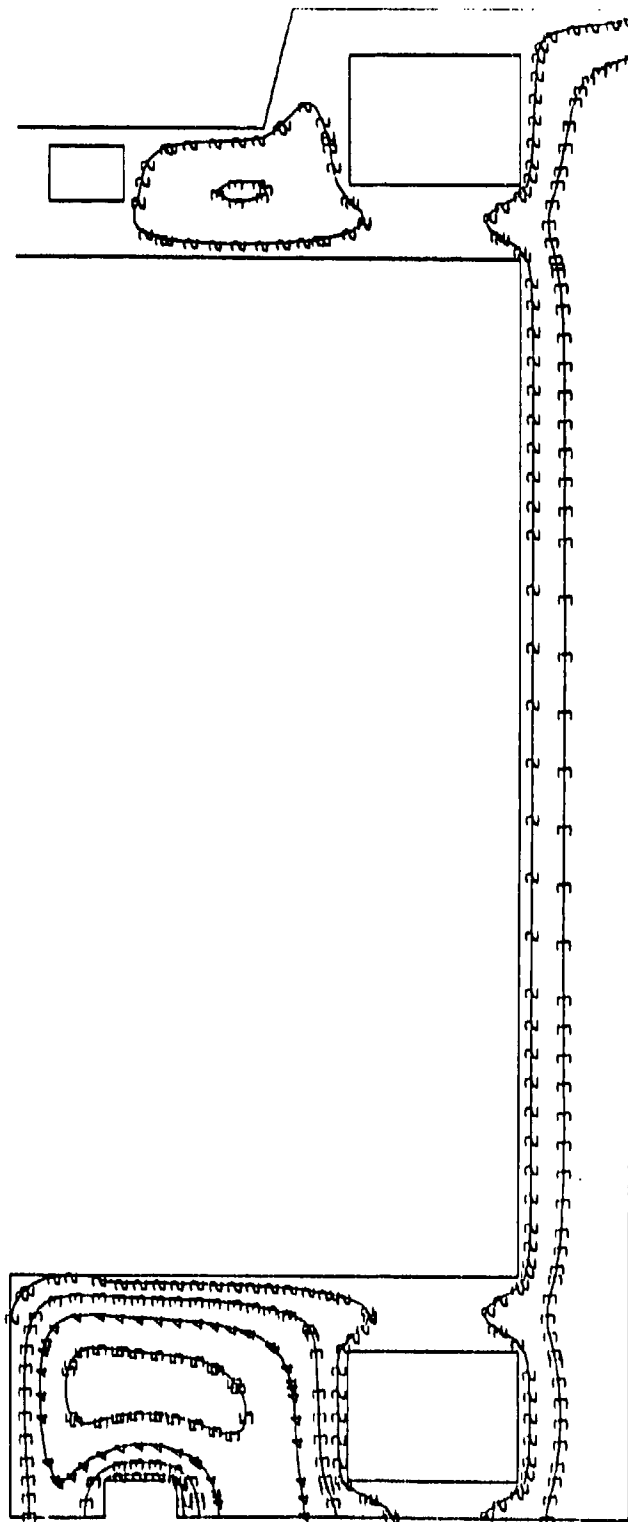


C50

1  
NI MSTEN RI NCK MFTNHN RN NFG DI CMT TEMD IUNE 20 START I TETS 1 19

TEMP  
VALUE

1	+5.00E+01
2	+5.80E+01
3	+6.60E+01
4	+7.40E+01
5	+8.20E+01
6	+9.00E+01

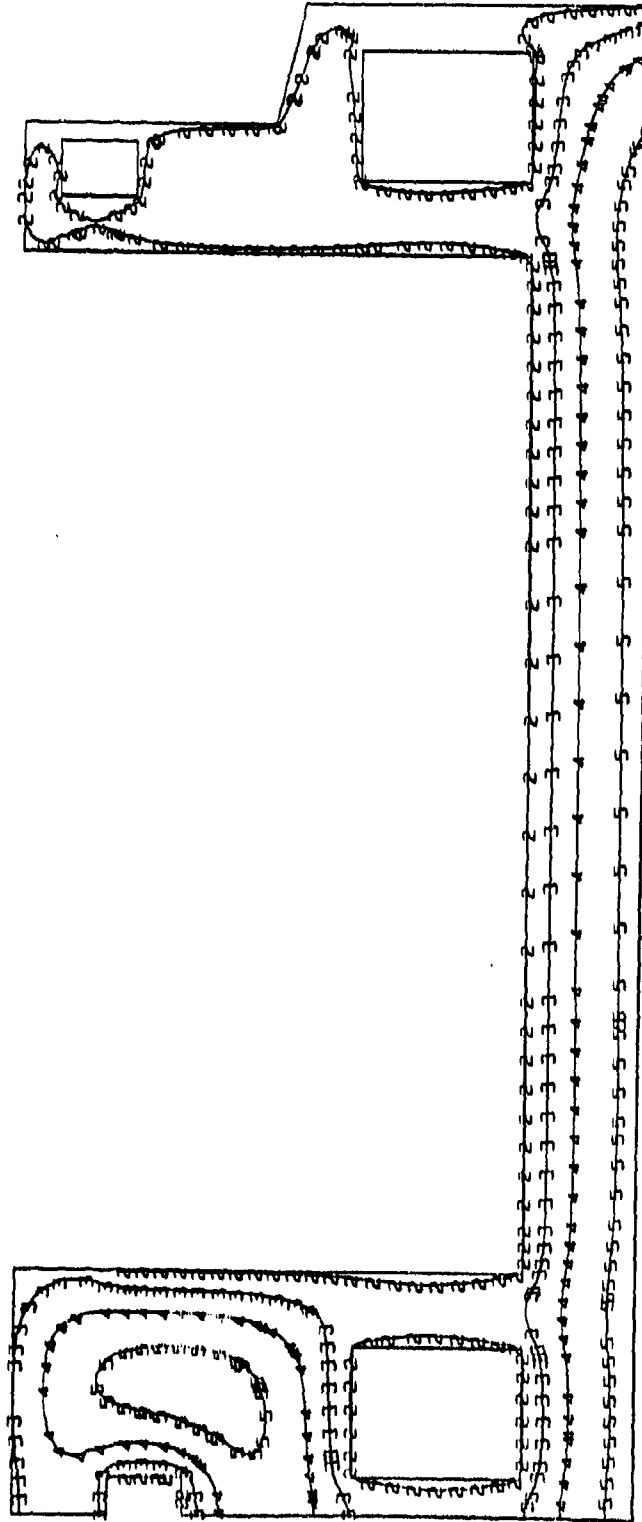


C51

1  
OLMSTED BLOCK METHOD 60 DEG PI CMT TEMP JUNE 20 START 11 19

TEMP  
VALUE

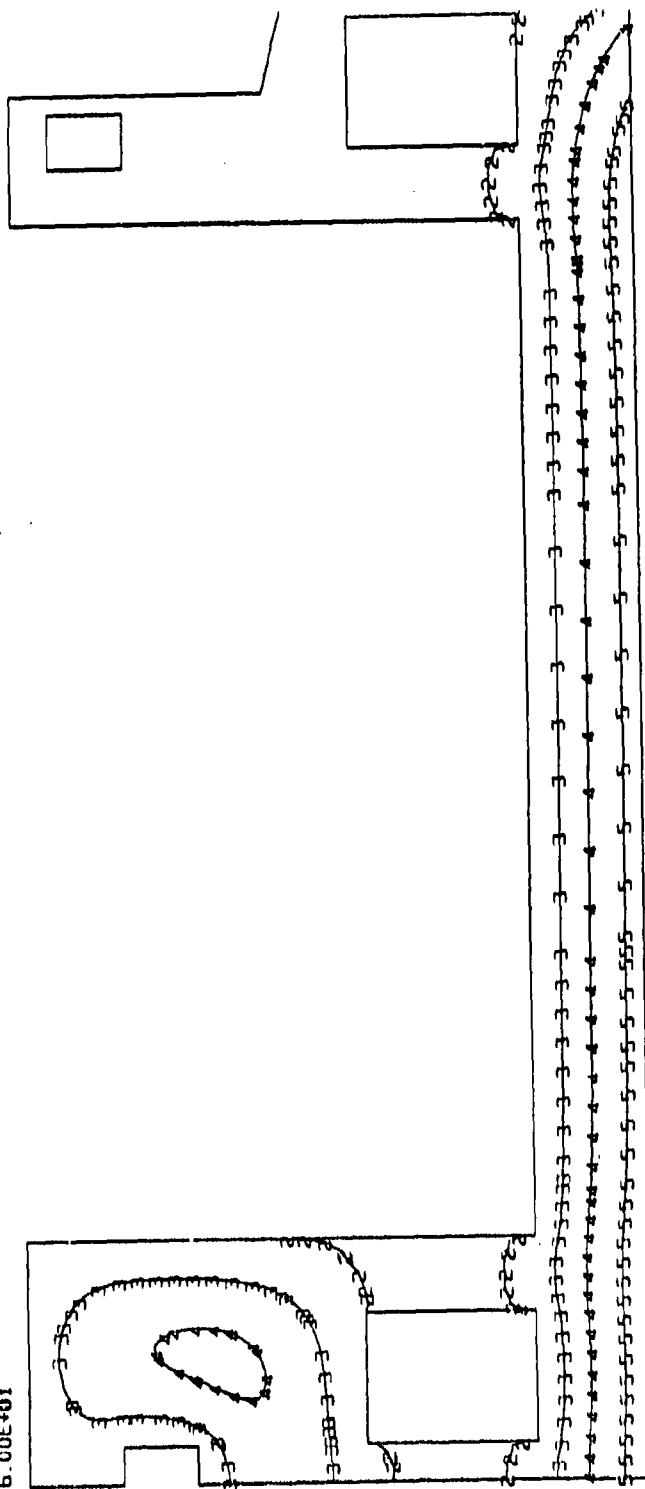
1	+3.00E+01
2	+3.80E+01
3	+4.60E+01
4	+5.40E+01
5	+6.20E+01
6	+7.00E+01



1  
DIMSTED BLOCK METHOD 60 DEG PLANT TEMP .11NF 20 START 1 1 10

TEMP  
VALUE

1	+3.00E+01
2	+3.60E+01
3	+4.20E+01
4	+4.80E+01
5	+5.40E+01
6	+6.00E+01



053

1  
01 M5TFD. RI OCK METHOD. 60 DEG PI CMT TEMP .UINF 20 START. 1 1 19



APPENDIX D: 3-D TEMPERATURE CONTOUR PLOTS

TEMP  
VALUE

1	+7.00E+01
2	+7.40E+01
3	+7.80E+01
4	+8.20E+01
5	+8.60E+01
6	+9.00E+01

3-D CENTER PLANE TRANSVERSE TO FLOW  
ambient temp = 77.5 deg. F  
time = 10 days



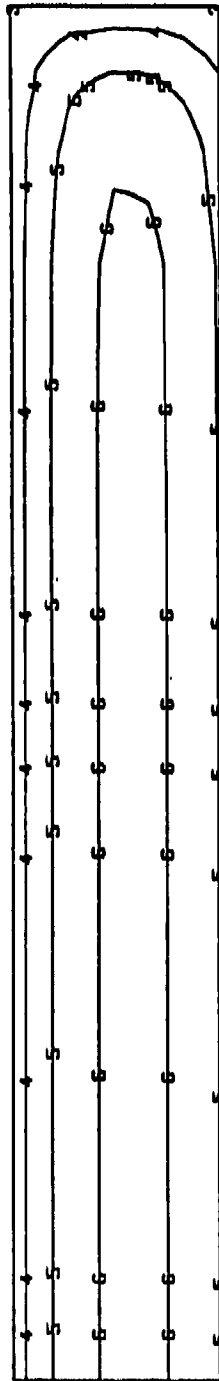
FLOOR PLACEMENT 1. COARSE GRID, JUNE 20 START, L1\_2

TIME COMPLETED IN THIS STEP +3.00E+00 TOTAL ACCUMULATED TIME +1.00E+01 STEP 4 INCREMENT 5

TEMP  
VALUE

1 +7.00E+01  
2 +7.40E+01  
3 +7.80E+01  
4 +8.20E+01  
5 +8.60E+01  
6 +9.00E+01

3-D CENTER PLANE IN DIRECTION OF FLOW  
ambient temp = 77.5 deg. F  
time = 10 days



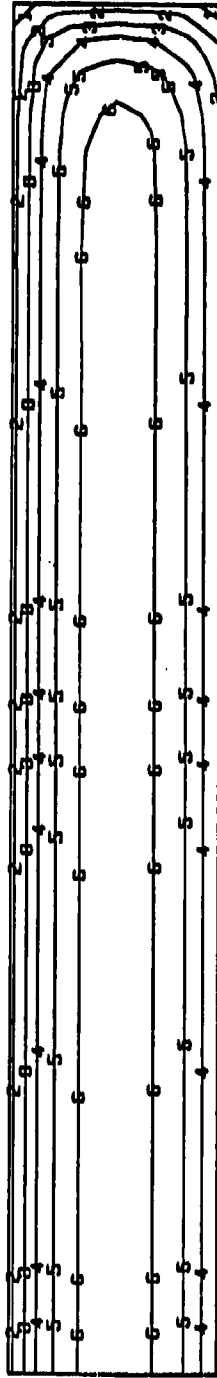
FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_2

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.000E+01 STEP 4 INCREMENT 6

TEMP  
VALUE

1 +7.50E+01  
2 +8.10E+01  
3 +8.30E+01  
4 +8.50E+01  
5 +8.70E+01  
6 +8.90E+01

3-D PLANE AT FLOOR JOINT  
ambient temp = 77.5 deg. F  
time = 10 days



FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_2  
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.000E+01 STEP 4 INCREMENT 6

TEMP  
VALUE

1	+7.00E+01
2	+7.50E+01
3	+8.20E+01
4	+8.80E+01
5	+9.40E+01
6	+1.00E+02

3-D CENTER PLANE TRANSVERSE TO FLOW  
ambient temp = 78.2 deg. F  
time = 15 days



D6

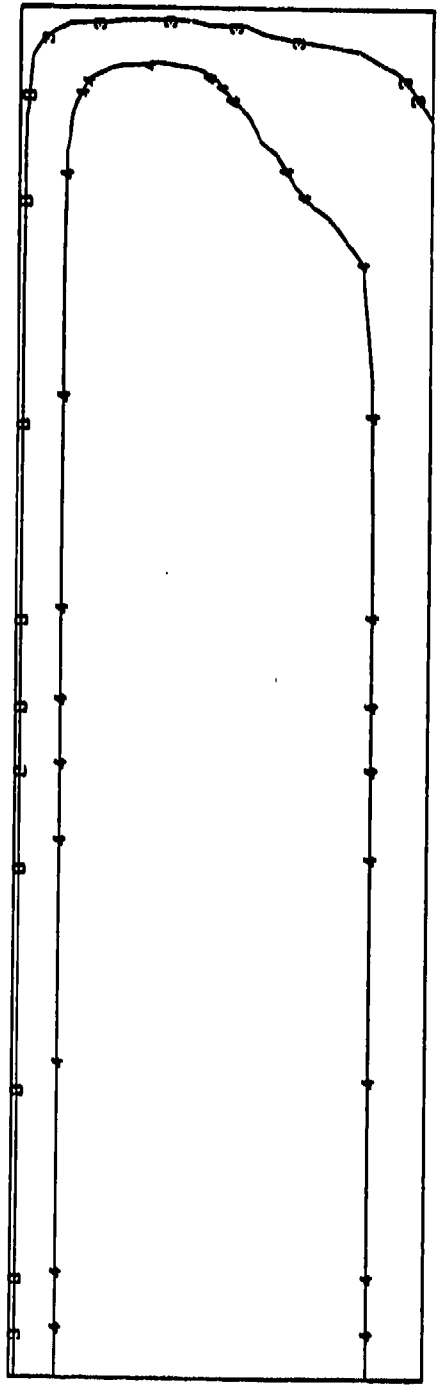
<sup>1</sup>  
FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_3

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.500E+01 9 STEP 6 INCREMENT 5

TEMP  
VALUE

1	+7.00E+01
2	+7.50E+01
3	+8.20E+01
4	+8.80E+01
5	+9.40E+01
6	+1.00E+02

3-D CENTER PLANE IN DIRECTION OF FLOW  
ambient temp = 78.2 deg. F  
time = 15 days

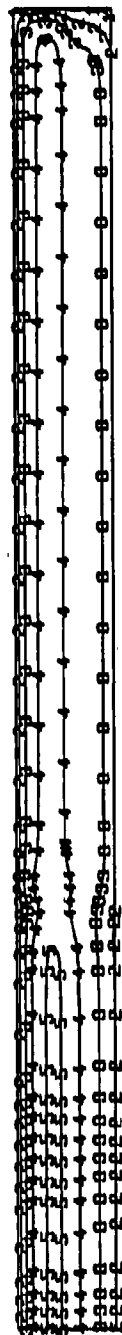


FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_3  
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.500E+01 STEP 5 INCREMENT 5

TEMP  
VALUE

1	+8.00E+01
2	+8.40E+01
3	+8.80E+01
4	+9.20E+01
5	+9.60E+01
6	+1.00E+02

3-D CENTER PLANE TRANSVERSE TO FLOW  
ambient temp = 79 deg. F  
time = 20 days

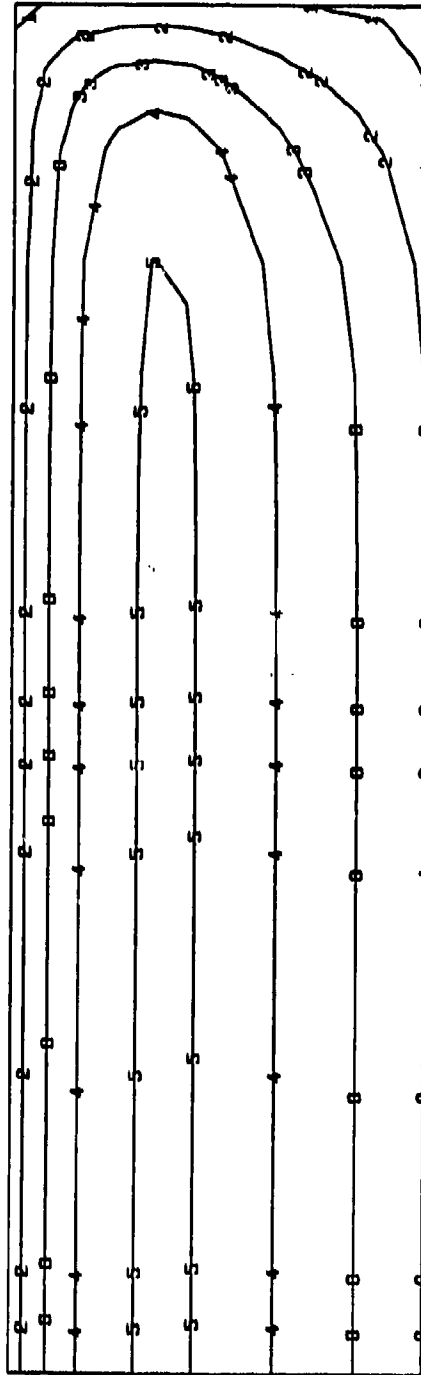


<sup>1</sup>  
FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_4  
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +2.000E+01 STEP 8 INCREMENT 5

TEMP  
VALUE

1 +8.00E+01  
2 +8.40E+01  
3 +8.80E+01  
4 +9.20E+01  
5 +9.60E+01  
6 +1.00E+02

3-D CENTER PLANE IN DIRECTION OF FLOW  
ambient temp = 79 deg. F  
time = 20 days

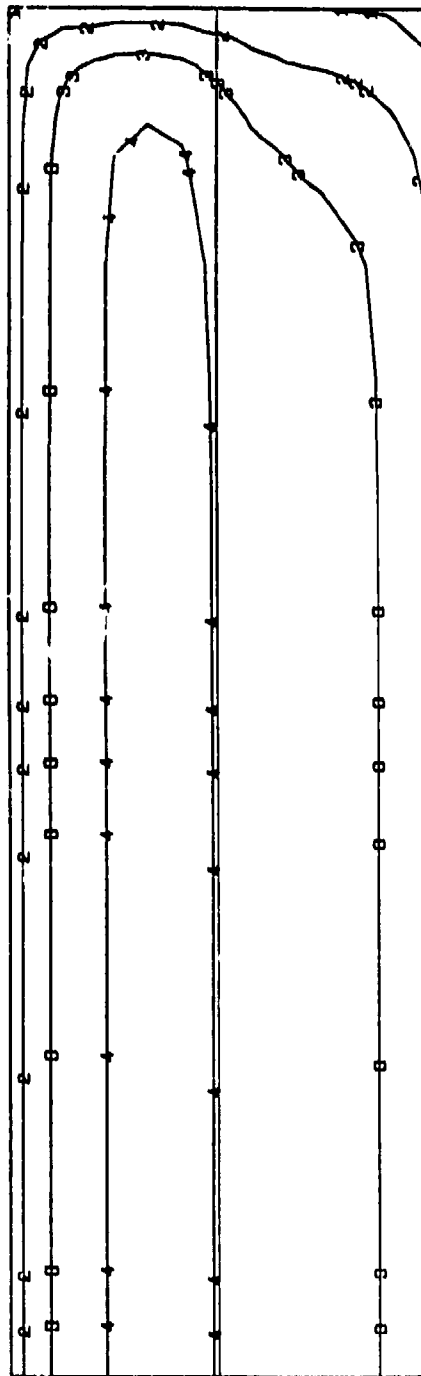


FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_4  
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +2.000E+01 STEP 8 INCREMENT 6



+8.00E+01  
+8.40E+01  
+8.80E+01  
+9.20E+01  
+9.60E+01  
+1.00E+02

**3-D PLANE AT FLOOR JOINT**  
**ambient temp = 79 deg. F**  
**time = 20 days**



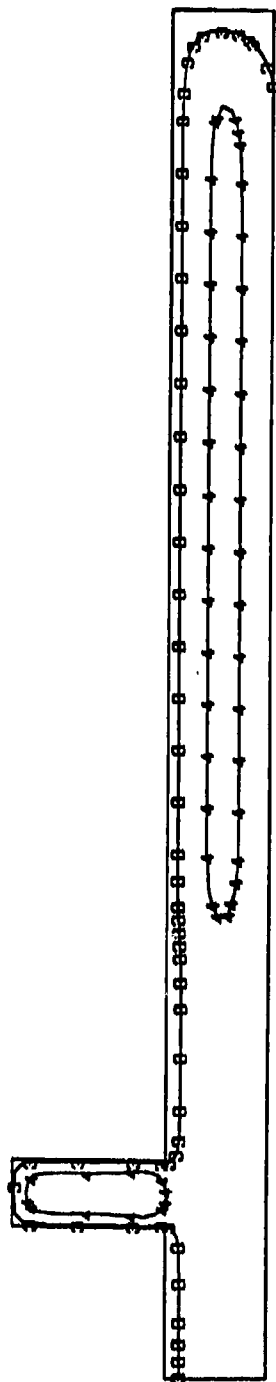
FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_4

TIME COMPLETED IN THIS STEP	+3.000E+00	TOTAL ACCUMULATED TIME	+2.000E+01	STEP 8 INCREMENT 6
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TEMP  
VALUE

1	+7.00E+01
2	+7.50E+01
3	+8.20E+01
4	+8.80E+01
5	+9.40E+01
6	+1.00E+02

3-D CENTER PLANE TRANSVERSE TO FLOW  
ambient temp = 78 deg. F  
time = 45 days



D11

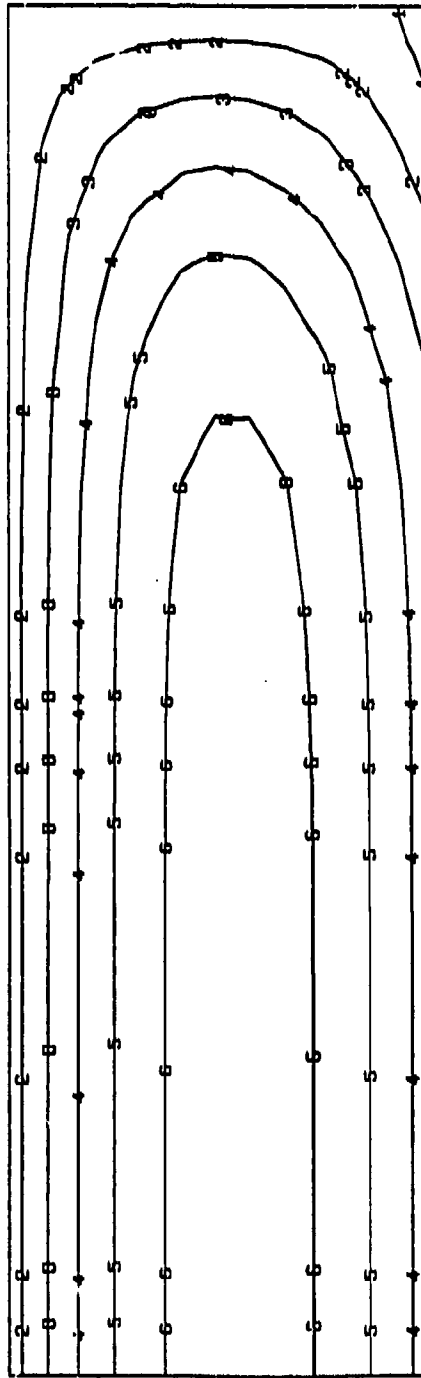
<sup>1</sup>  
FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_7

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +4.500E+01 STEP 11 INCREMENT 6

TEMP  
VALUE

1 +7.80E+01  
2 +7.96E+01  
3 +8.12E+01  
4 +8.28E+01  
5 +8.44E+01  
6 +8.60E+01

3-D CENTER PLANE IN DIRECTION OF FLOW  
ambient temp = 78 deg. F  
time = 45 days

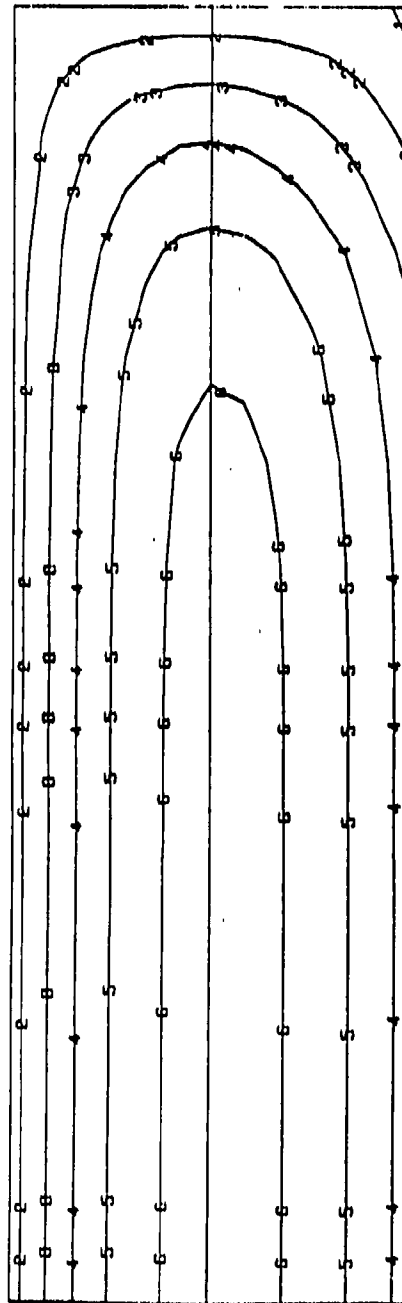


FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L17

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +4.500E+01 STEP 11 INCREMENT 5

1 +7.60E+01  
 2 +8.00E+01  
 3 +8.20E+01  
 4 +8.40E+01  
 5 +8.60E+01  
 6 +8.80E+01

3-D ANALYSIS, PLANE AT FLOOR JOINT  
 ambient temp = 78 deg. F  
 time = 45 days



D13

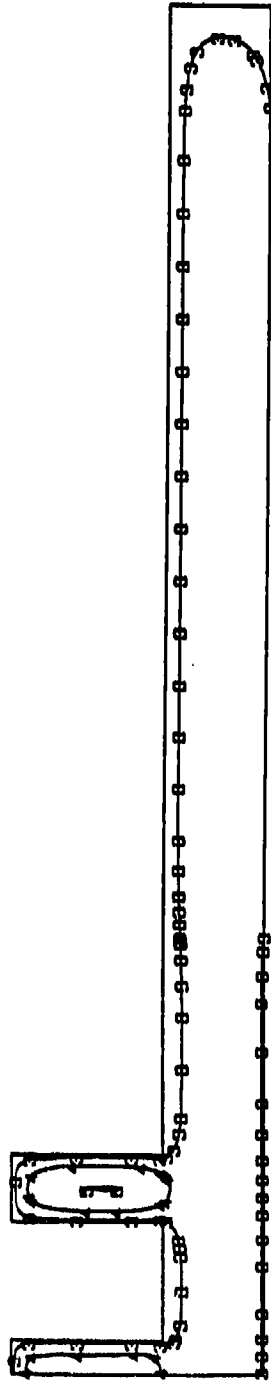
FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1.7

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +4.500E+01 STEP 11 INCREMENT 5

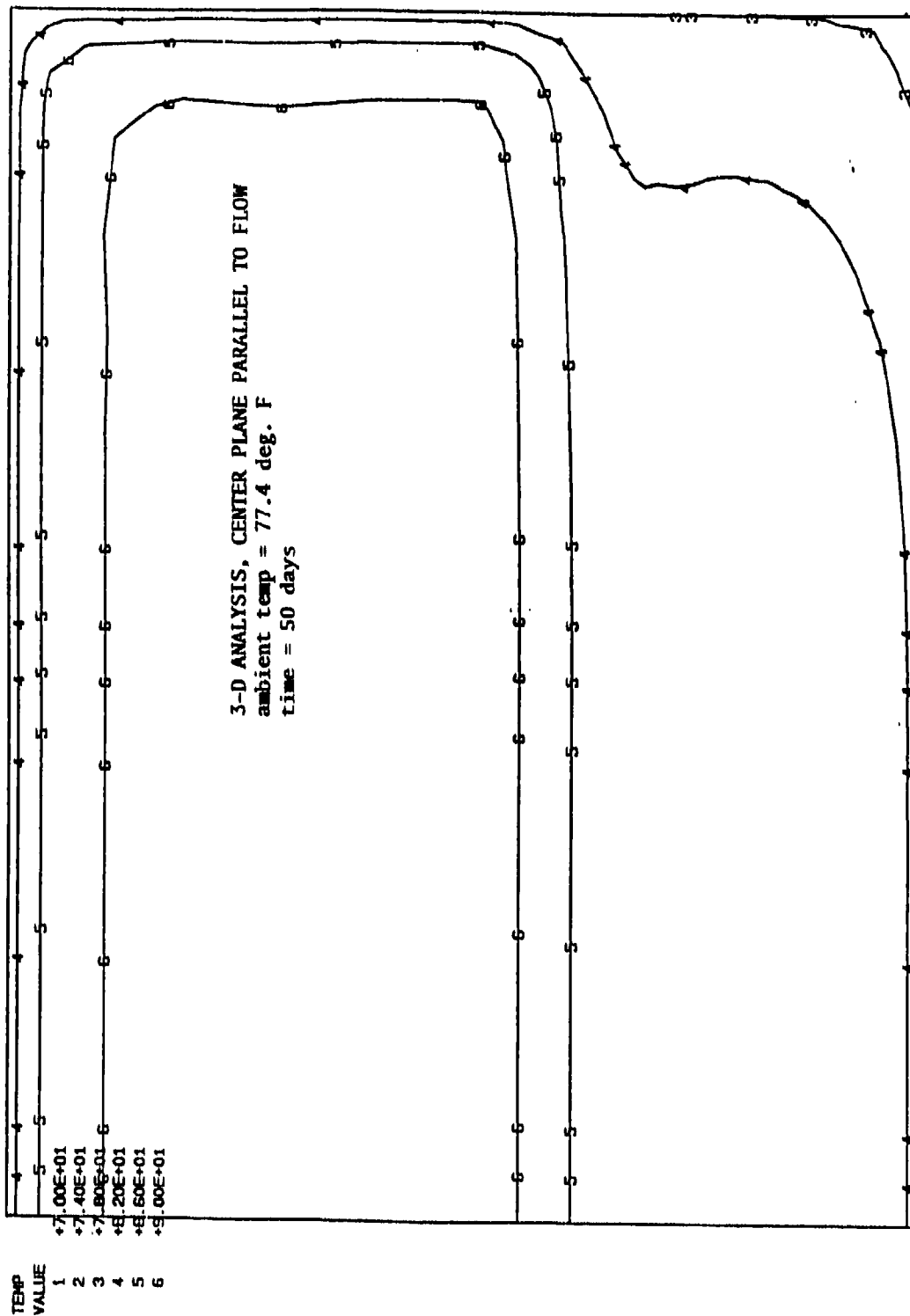
TEMP  
VALUE

1	+7.00E+01
2	+7.60E+01
3	+8.20E+01
4	+8.80E+01
5	+9.40E+01
6	+1.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW  
ambient temp = 77.4 deg. F  
time = 50 days



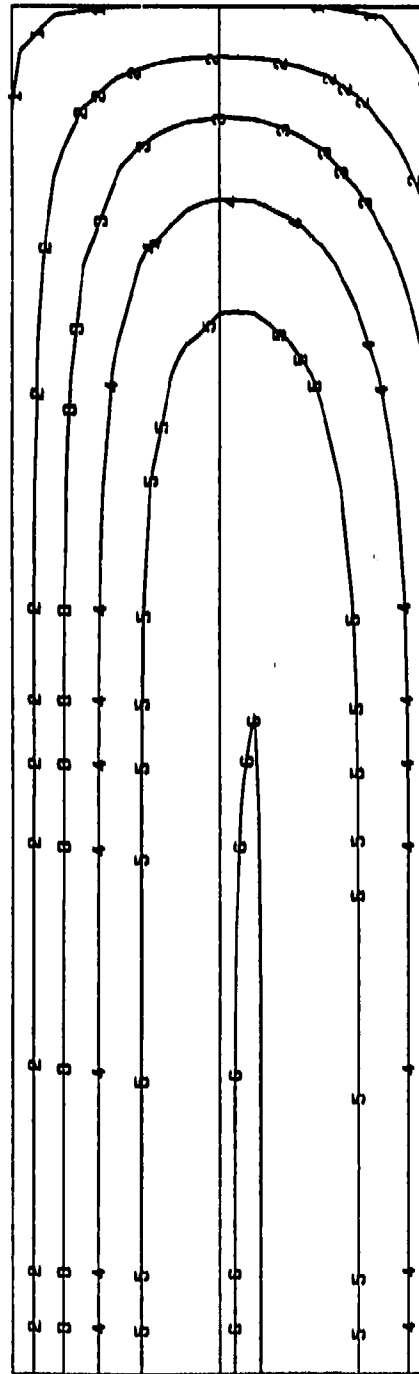
<sup>1</sup>  
FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_8  
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +5.000E+01 ■ STEP 13 INCREMENT 6



TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +5.000E+01 STEP 13 INCREMENT 6

TEMP  
VALUE  
1 +7.80E+01  
2 +7.98E+01  
3 +8.16E+01  
4 +8.34E+01  
5 +8.52E+01  
6 +8.70E+01

3-D ANALYSIS, PLANE AT FLOOR JOINT  
ambient temp = 77.4 deg. F  
time = 50 days

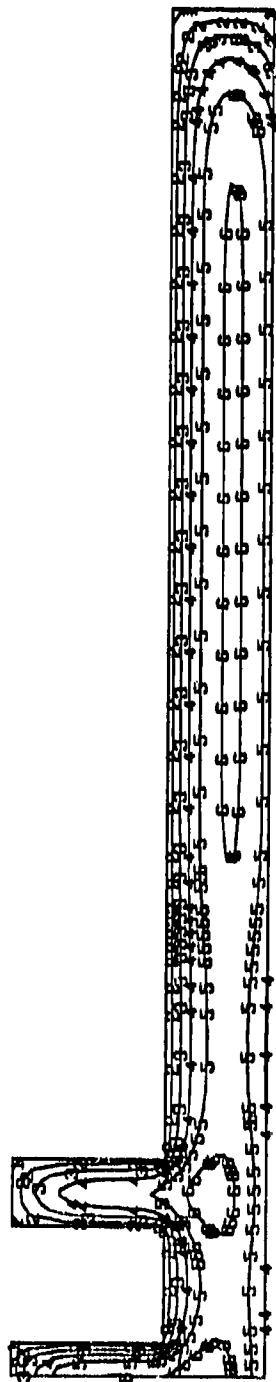


FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_8  
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +5.000E+01 STEP 13 INCREMENT 6

TEMP  
VALUE

1 +7.50E+01  
2 +7.64E+01  
3 +7.78E+01  
4 +7.92E+01  
5 +8.06E+01  
6 +8.20E+01

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW  
ambient temp = 74.7 deg. F  
time = 70 days



<sup>1</sup>  
FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_8  
TIME COMPLETED IN THIS STEP +2.000E+01 TOTAL ACCUMULATED TIME +7.000E+01 STEP 14 INCREMENT 20

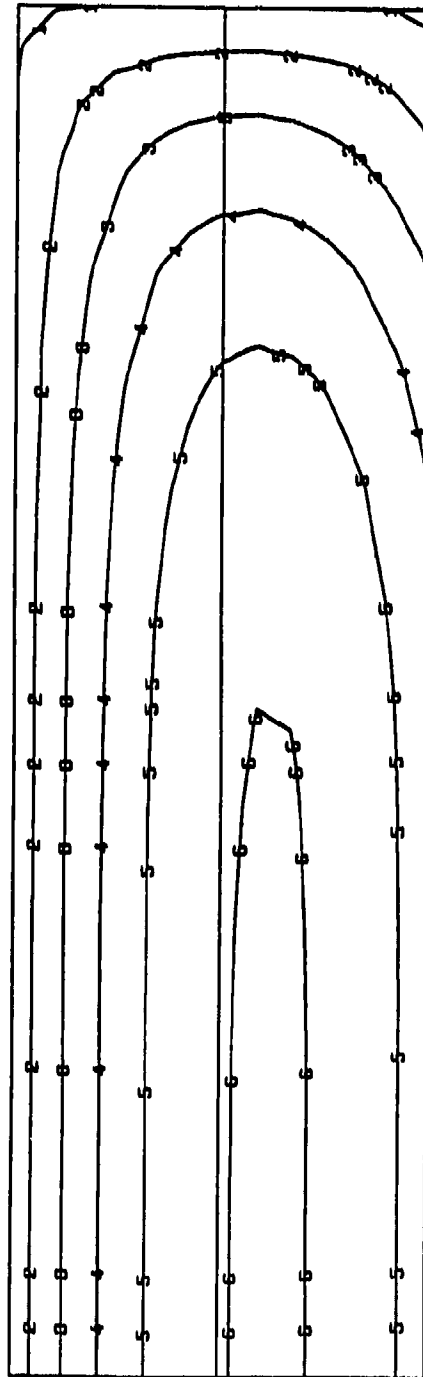




TEMP  
VALUE

1 +7.50E+01  
2 +7.64E+01  
3 +7.78E+01  
4 +7.92E+01  
5 +8.06E+01  
6 +8.20E+01

3-D ANALYSIS, PLANE AT FLOOR JOINT  
ambient temp = 74.7 deg. F  
time = 70 days

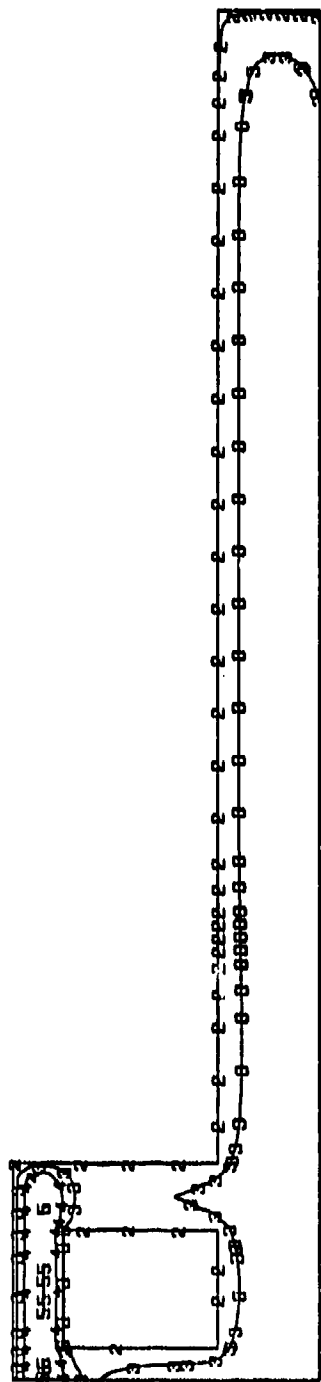


FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_8

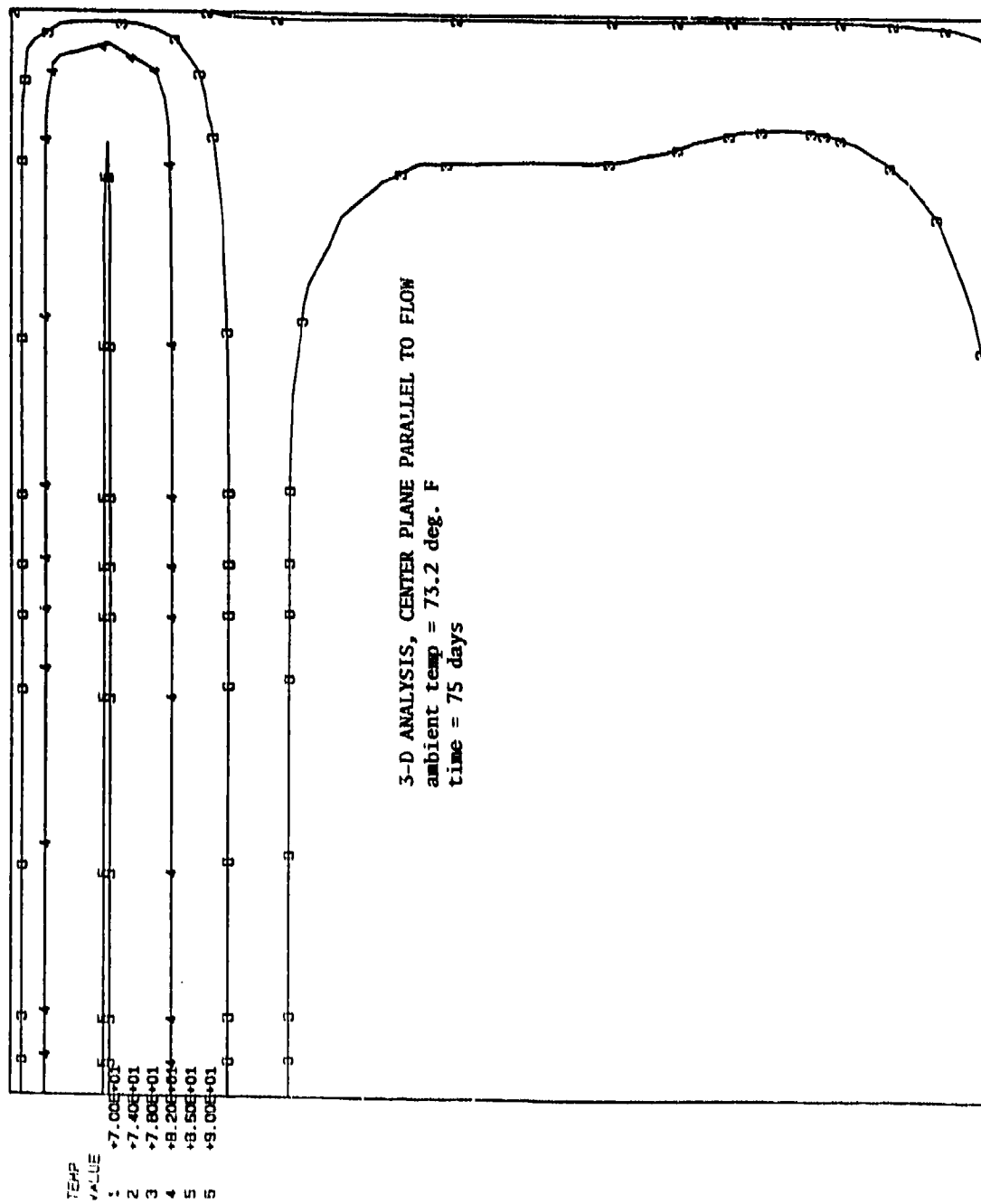
TIME COMPLETED IN THIS STEP +2.000E+01 TOTAL ACCUMULATED TIME +7.000E+01 STEP 14 INCREMENT 20

TEMP	
VALUE	
1	+7.00E+01
2	+7.40E+01
3	+7.80E+01
4	+8.20E+01
5	+8.60E+01
6	+5.00E+01

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW  
 ambient temp = 73.2 deg. F  
 time = 75 days

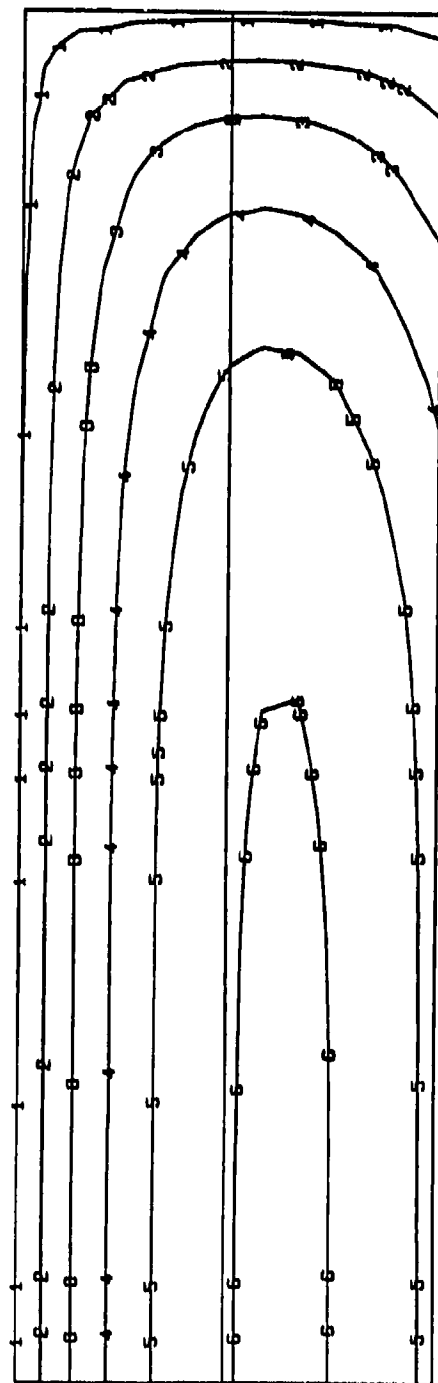


<sup>1</sup>FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L110  
 TIME COMPLETED IN THIS STEP +5.00E-01 TOTAL ACCUMULATED TIME +7.500E+01 STEP 17 INCREMENT 1



TEMP  
VALUE  
1 +7.40E+01  
2 +7.54E+01  
3 +7.68E+01  
4 +7.82E+01  
5 +7.96E+01  
6 +8.10E+01

3-D ANALYSIS, PLANE AT FLOOR JOINT  
ambient temp = 73.2 deg. F  
time = 75 days

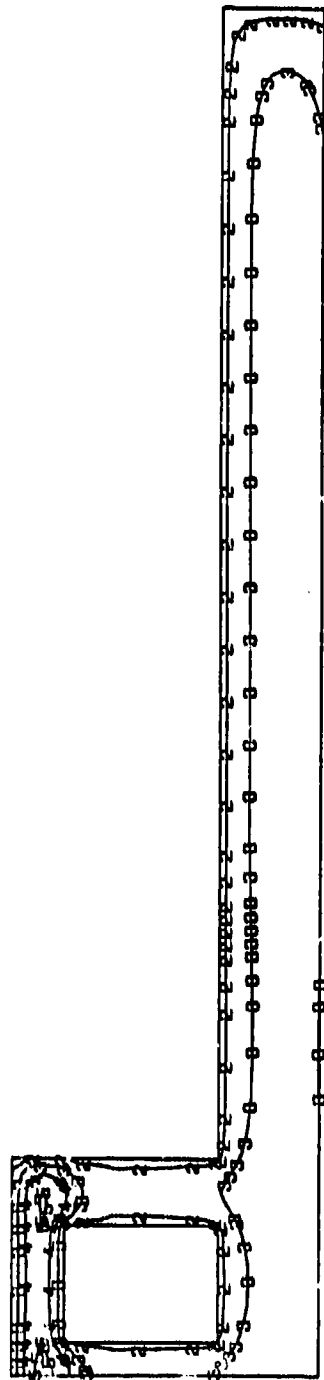


FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L110  
TIME COMPLETED IN THIS STEP +5.000E-01 TOTAL ACCUMULATED TIME +7.500E+01 STEP 17 INCREMENT 1

TEMP  
VALUE

1	+7.00E+01
2	+7.40E+01
3	+7.80E+01
4	+8.20E+01
5	+8.60E+01
6	+9.00E+01

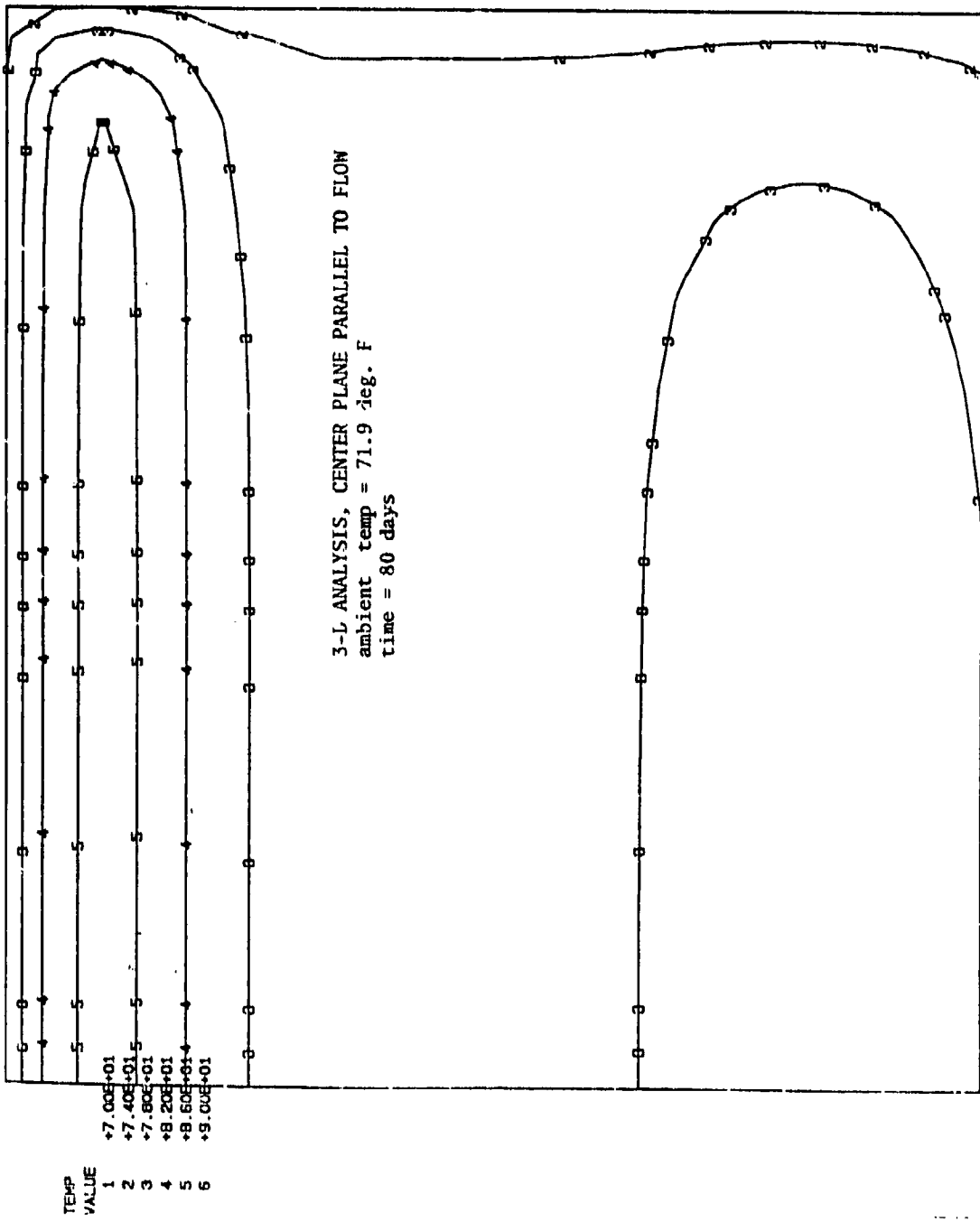
3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW  
ambient temp = 71.9 deg. F  
time = 80 days



D23

<sup>1</sup>  
FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L110

TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +8.000E+01 # STEP 18 INCREMENT 5

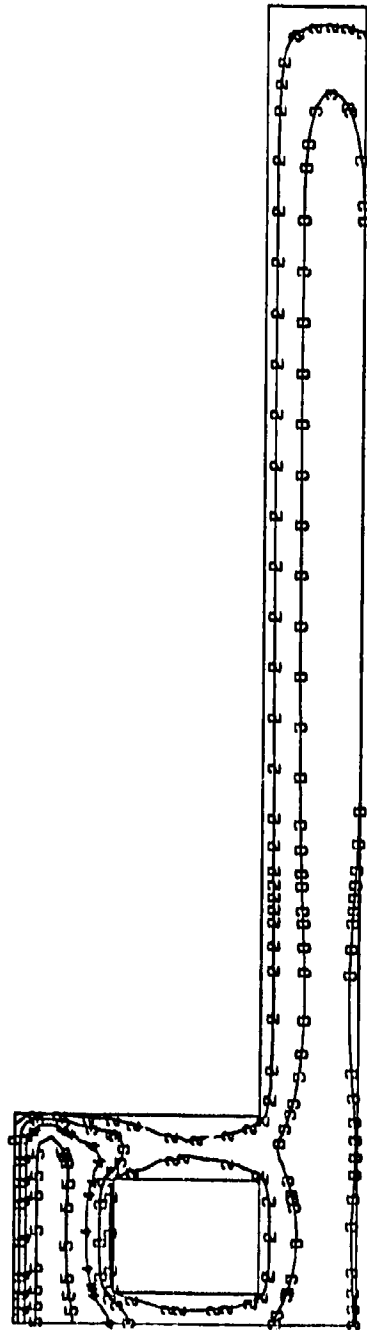


FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L110

TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +8.000E+01 STEP 18 INCREMENT 5

TEMP	
VALUE	
1	+7.00E+01
2	+7.40E+01
3	+7.80E+01
4	+8.20E+01
5	+8.60E+01
6	+9.00E+01

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW  
 ambient temp = 70.9 deg. F  
 time = 95 days

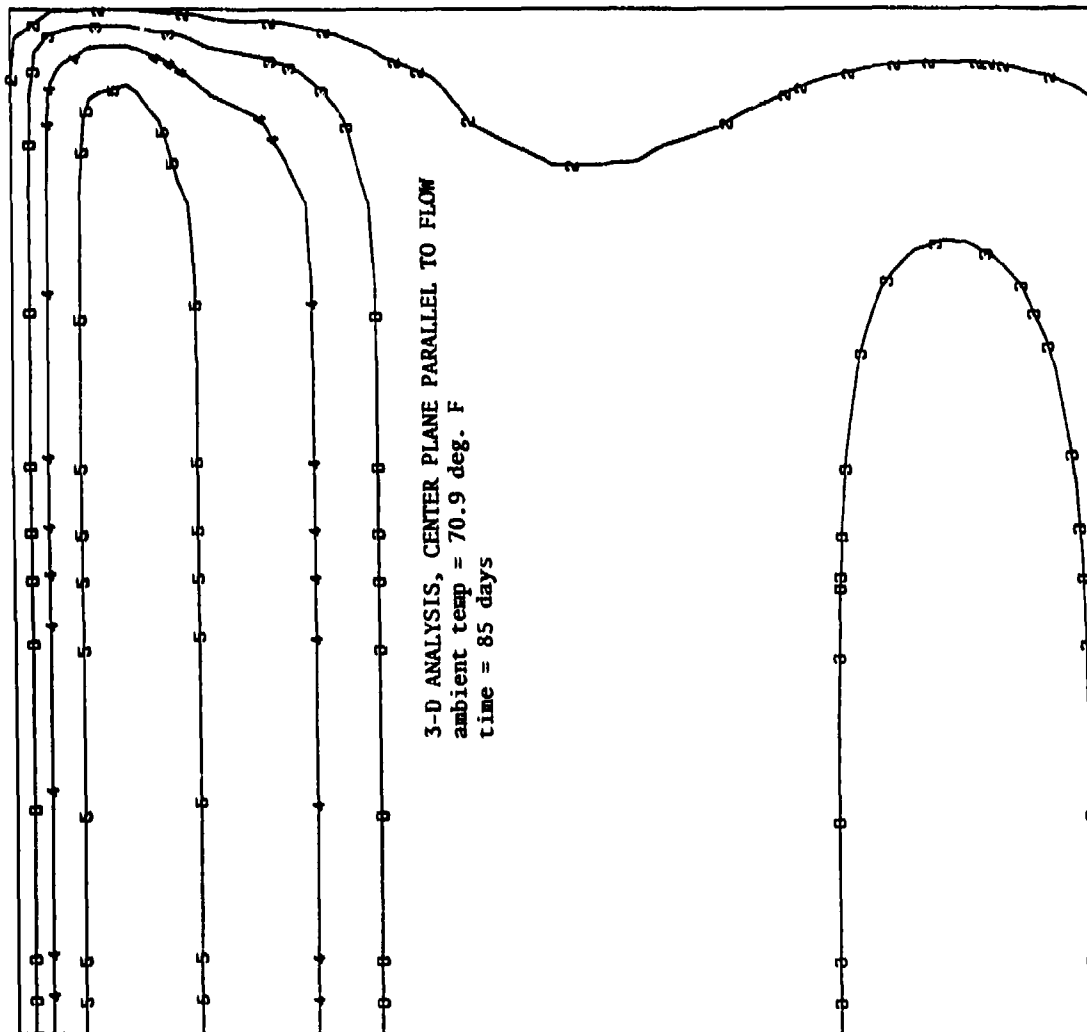


<sup>1</sup>  
 FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L112

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +8.500E+01 STEP 20 INCREMENT 6



TEMP  
VALUE  
1 +7.00E+01  
2 +7.40E+01  
3 +7.80E+01  
4 +8.20E+01  
5 +8.60E+01  
6 +9.00E+01



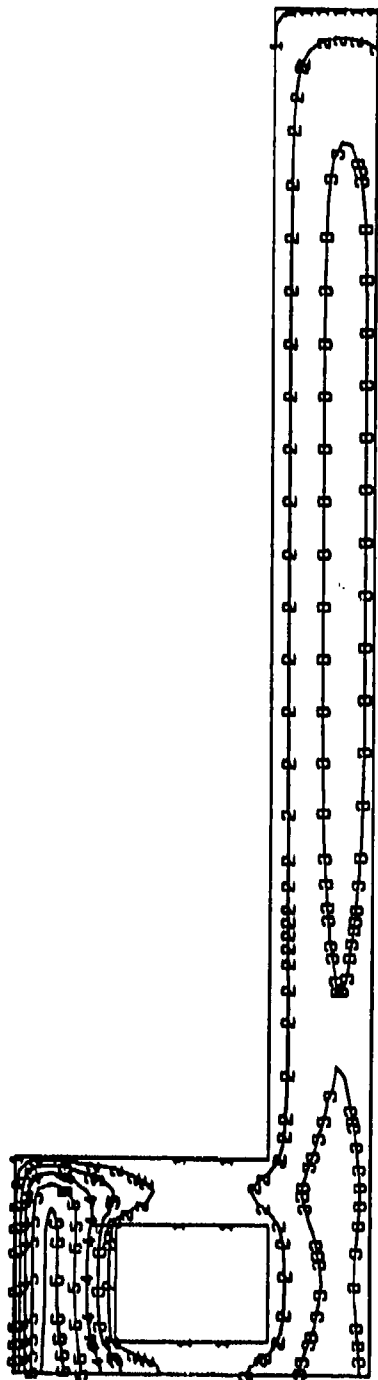
FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L112

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +8.500E+01 STEP 20 INCREMENT 5

TEMP  
VALUE

1	+7.00E+01
2	+7.40E+01
3	+7.80E+01
4	+8.20E+01
5	+8.60E+01
6	+9.00E+01

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW  
ambient temp = 69.3 deg. F  
time = 90 days

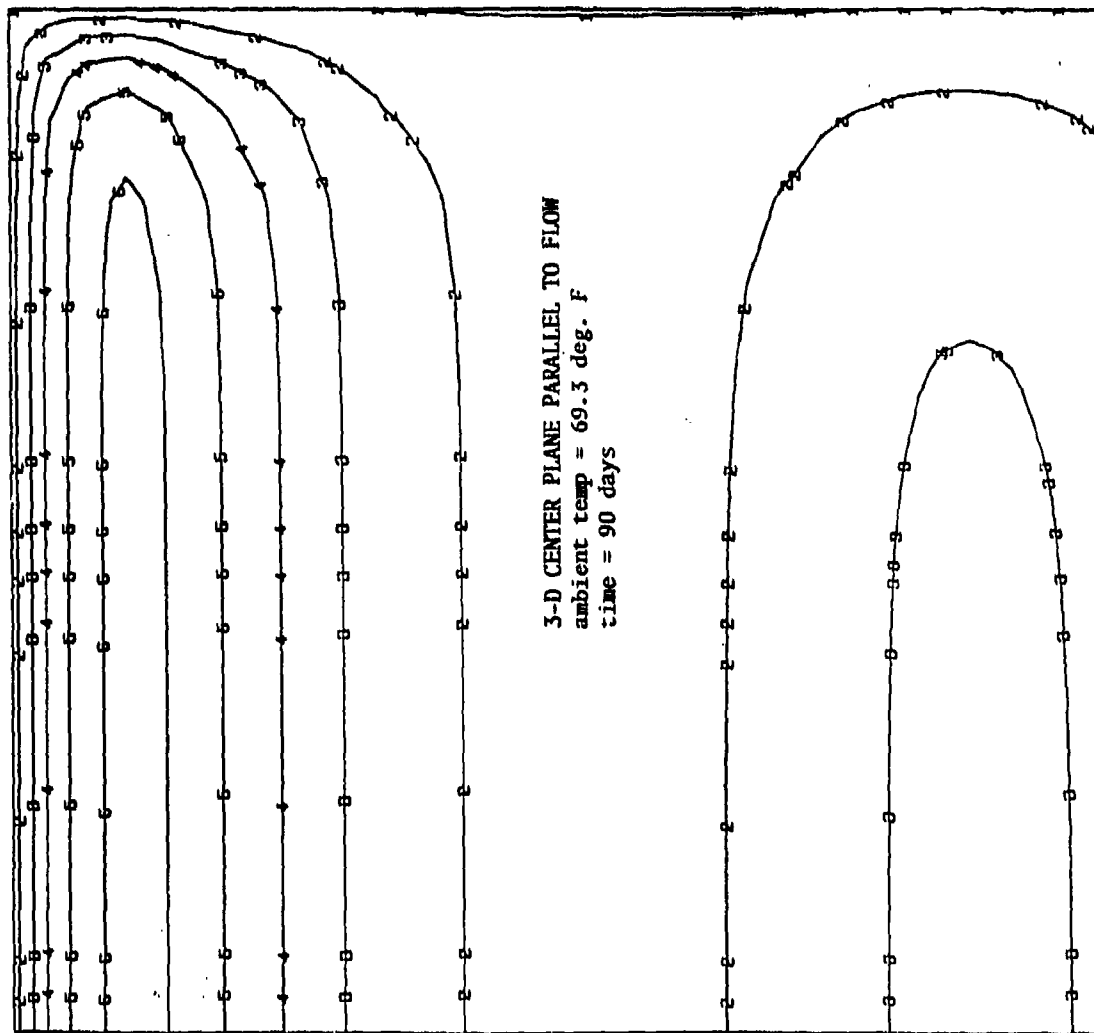


1

FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L112

TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +9.000E+01 STEP 21 INCREMENT 5

TEMP		
VALUE	1	+7.00E+01
	2	+7.40E+01
	3	+7.80E+01
	4	+8.20E+01
	5	+8.60E+01
	6	+9.00E+01



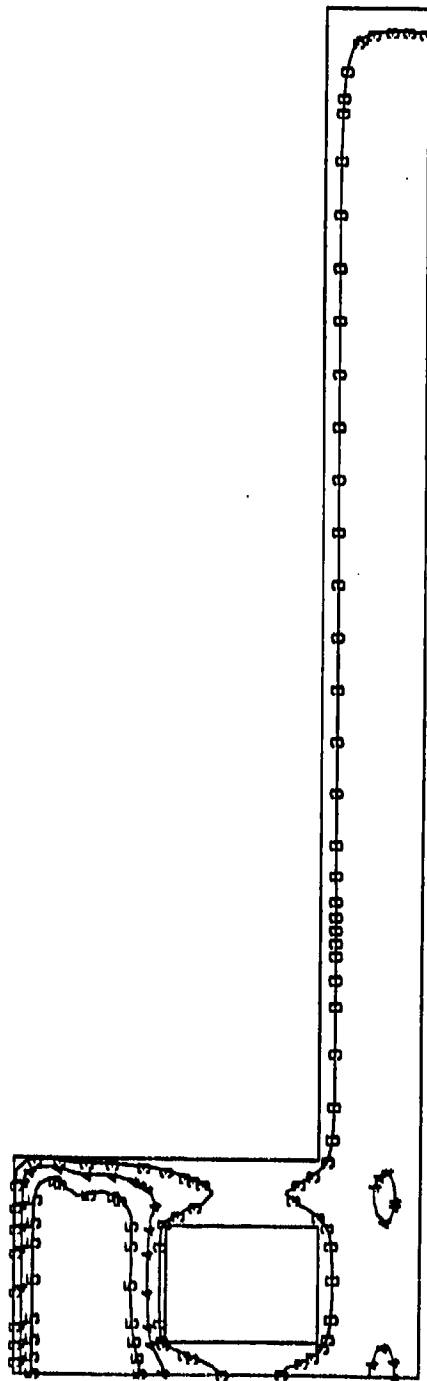
3-D CENTER PLANE PARALLEL TO FLOW  
 ambient temp = 69.3 deg. F  
 time = 90 days

FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L112  
 TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +9.000E+01 6 STEP 21 INCREMENT 6

TEMP  
VALUE

1	+6.00E+01
2	+6.80E+01
3	+7.20E+01
4	+7.80E+01
5	+8.40E+01
6	+9.00E+01

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW  
ambient temp = 67 deg.F  
time = 95 days

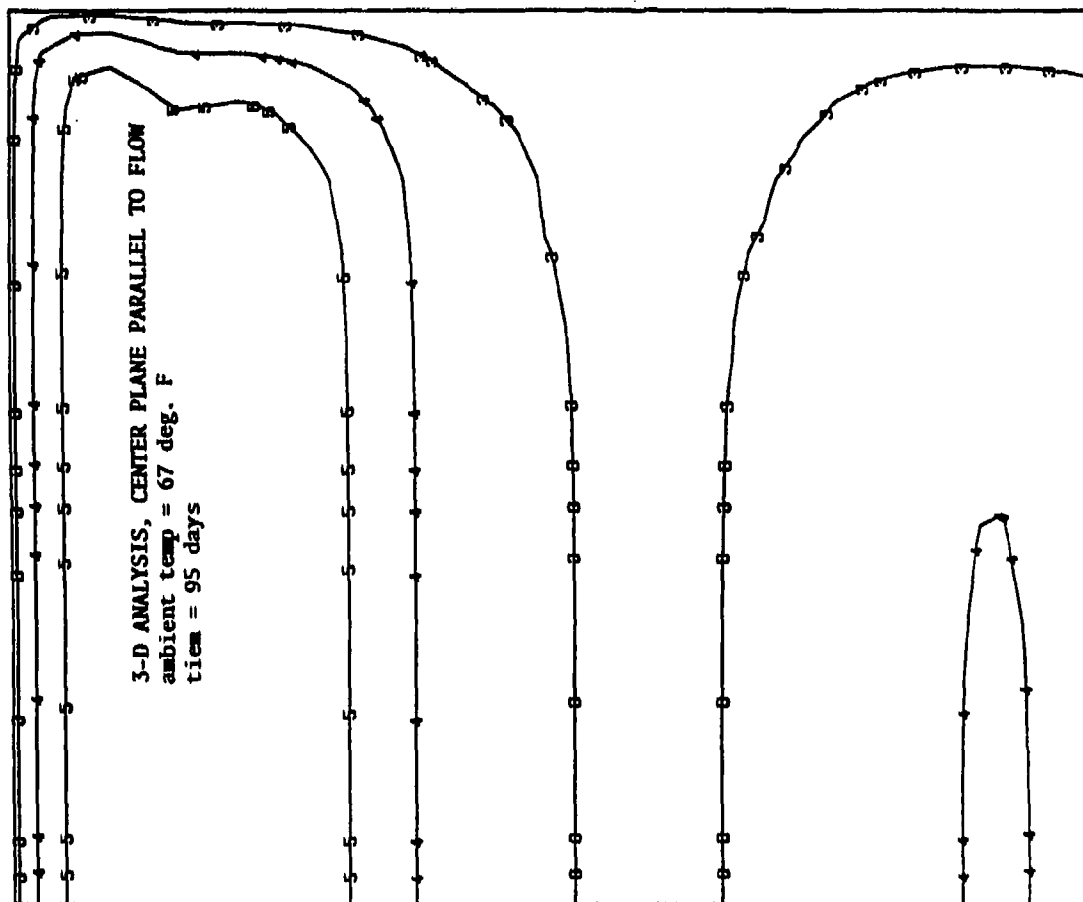


FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L114

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.500E+01 STEP 23 INCREMENT 6

TEMP  
VALUE

1	+6.00E+01
2	+6.60E+01
3	+7.20E+01
4	+7.80E+01
5	+8.40E+01
6	+9.00E+01

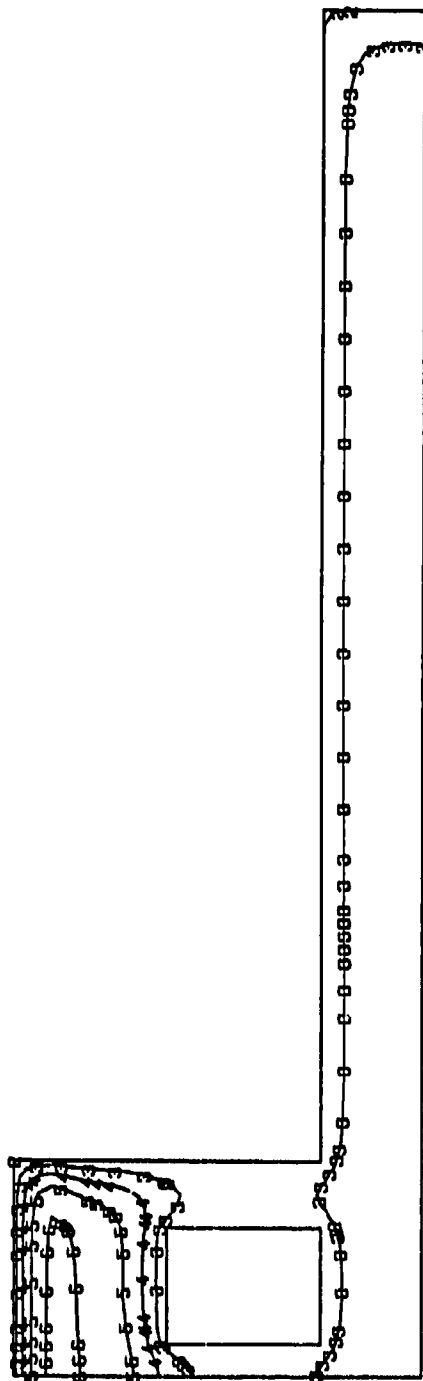


FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L114  
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.600E+01 # STEP 23 INCREMENT 6

TEMP  
VALUE

1	+6.00E+01
2	+6.60E+01
3	+7.20E+01
4	+7.80E+01
5	+8.40E+01
6	+9.00E+01

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW  
 ambient temp = 65.4 deg. F  
 time = 100 days



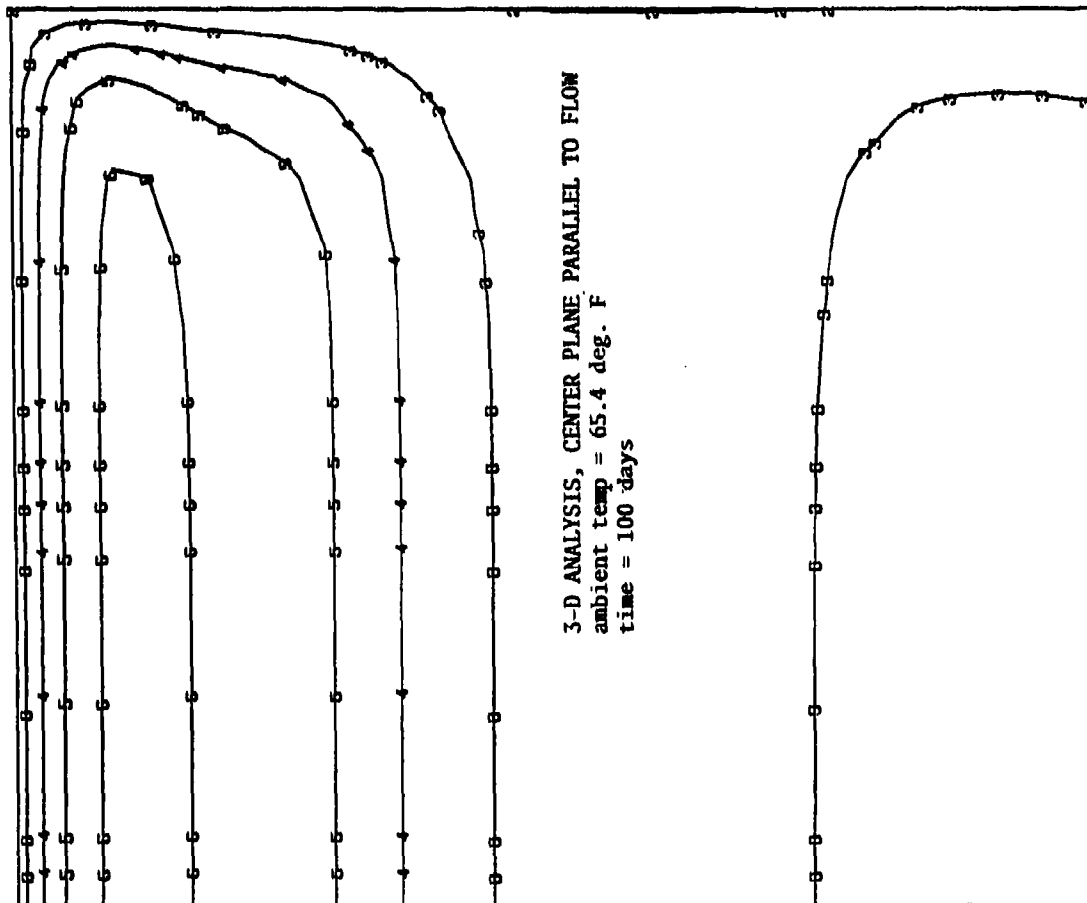
D31

<sup>1</sup>FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L114

TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +1.000E+02 STEP 24 INCREMENT 5

TEMP  
VALUE

1	+6.00E+01
2	+6.60E+01
3	+7.20E+01
4	+7.80E+01
5	+8.40E+01
6	+9.00E+01



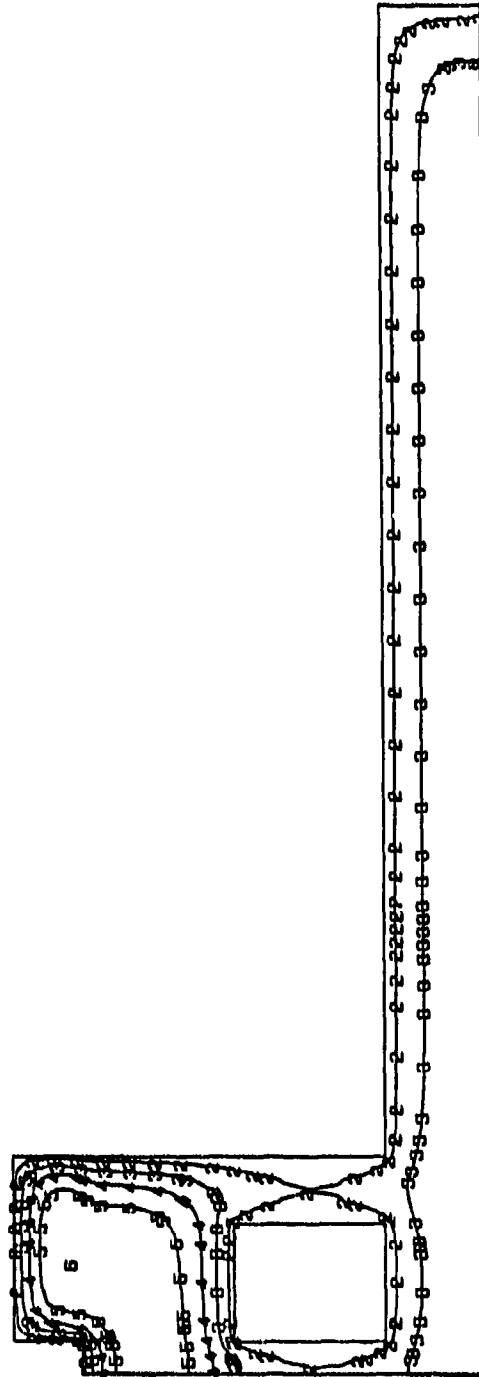
FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L114

TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +1.000E+02 STEP 24 INCREMENT 5

TEMP  
VALUE

1	+6.00E+01
2	+6.60E+01
3	+7.20E+01
4	+7.80E+01
5	+8.40E+01
6	+9.00E+01

3-D CENTER PLANE TRANSVERSE TO FLOW  
ambient temp = 61.3 deg. F  
time = 110 days

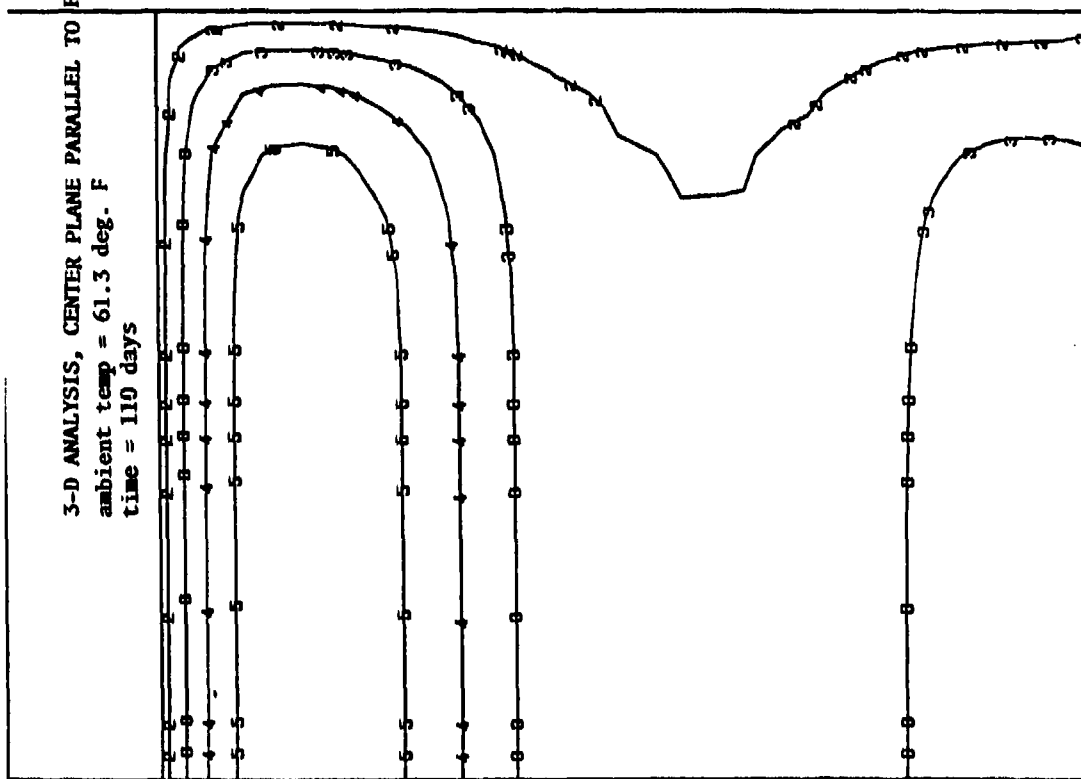


FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L116

TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +1.100E+02 STEP 27 INCREMENT 5



3-D ANALYSIS, CENTER PLANE PARALLEL TO FLOW  
 ambient temp = 61.3 deg. F  
 time = 110 days



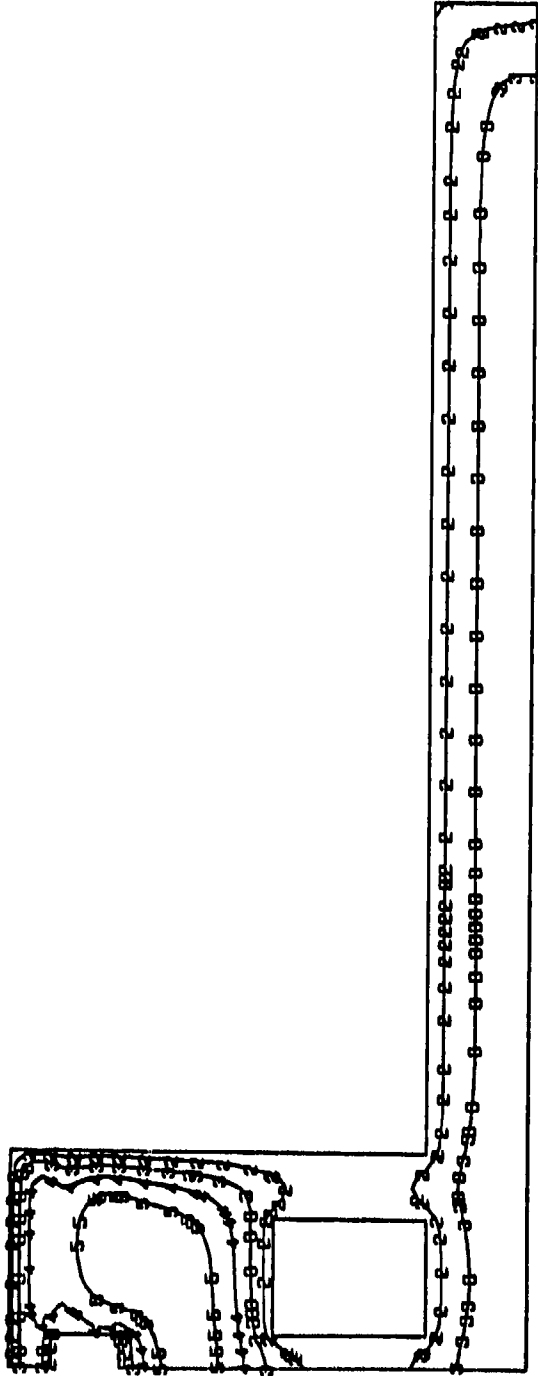
TEMP VALUE	
1	+6.00E+01
2	+6.50E+01
3	+7.20E+01
4	+7.80E+01
5	+8.40E+01
6	+9.00E+01

FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L116  
 TIME COMPLETED IN THIS STEP +6.000E+00 TOTAL ACCUMULATED TIME +1.100E+02 STEP 27 INCREMENT 6

TEMP  
VALUE

1	+6.00E+01
2	+6.50E+01
3	+7.20E+01
4	+7.80E+01
5	+8.40E+01
6	+9.00E+01

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW  
ambient temp = 59.6 deg. F  
time = 115 days

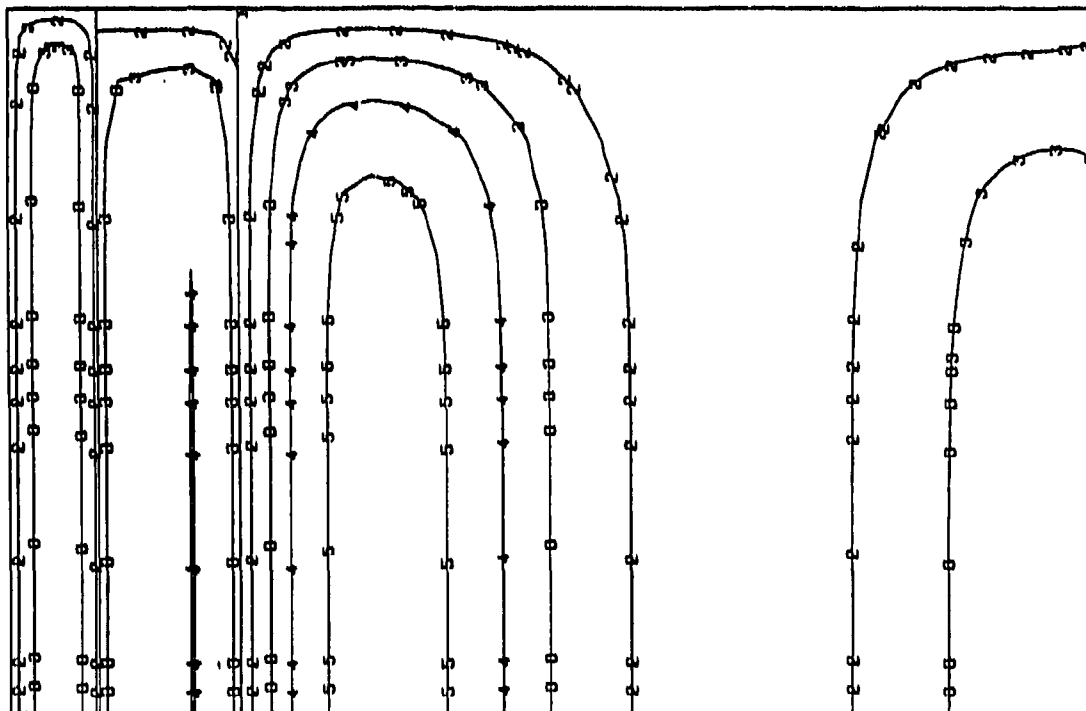


D35

FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L118

TIME COMPLETED IN THIS STEP +5.000E-01 TOTAL ACCUMULATED TIME +1.150E+02 # STEP 30 INCREMENT 1

TEMP  
VALUE  
1 +6.00E+01  
2 +6.50E+01  
3 +7.20E+01  
4 +7.80E+01  
5 +8.40E+01  
6 +9.00E+01



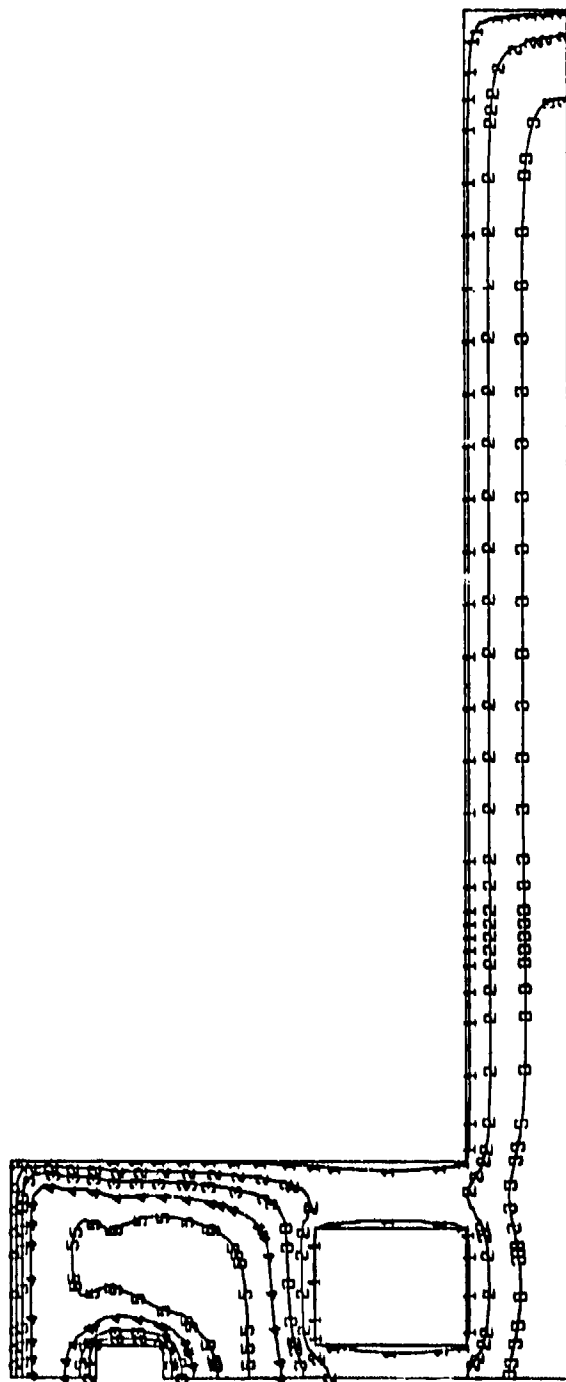
3-D ANALYSIS, CENTER PLANE  
PARALLEL TO FLOW  
ambient temp = 59.6 deg.F  
t<sub>iem</sub> = 115 days

FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L118  
TIME COMPLETED IN THIS STEP +5.000E-01 TOTAL ACCUMULATED TIME +1.150E+02 STEP 30 INCREMENT 1

TEMP  
VALUE

1 +6.00E+01  
2 +6.60E+01  
3 +7.20E+01  
4 +7.80E+01  
5 +8.40E+01  
6 +9.00E+01

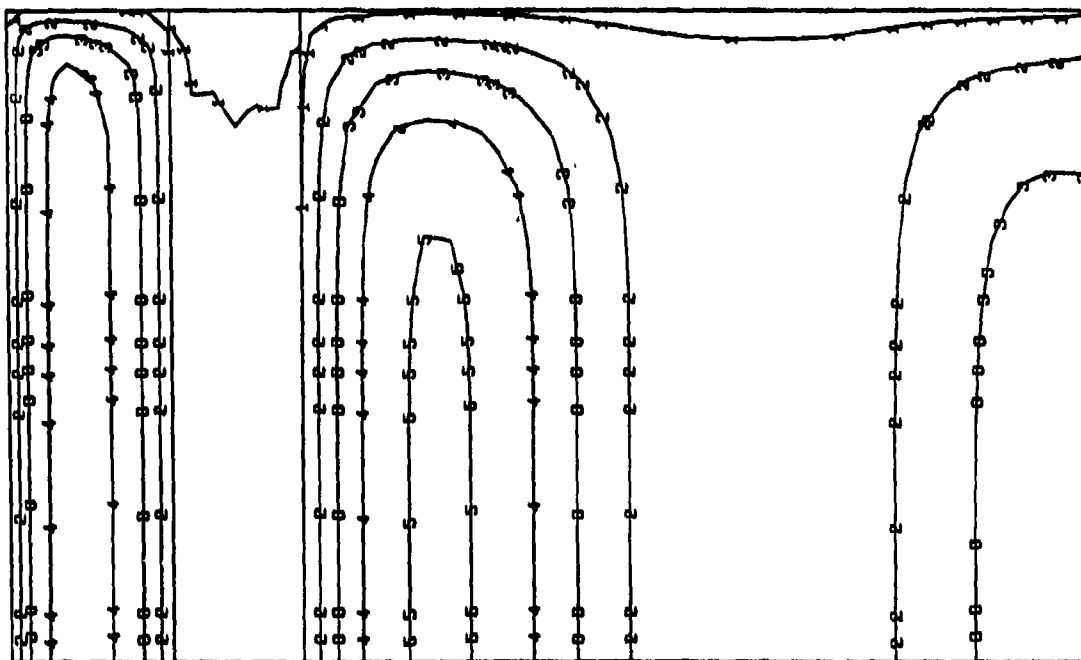
3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW  
ambient temp = 58 deg. F  
time = 120 days



FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119

TIME COMPLETED IN THIS STEP -3.000E+00 TOTAL ACCUMULATED TIME +1.200E+02 STEP 32 INCREMENT 5

3-D ANALYSIS, CENTER PLANE  
 PARALLEL TO FLOW  
 ambient temp = 58 deg. F  
 time = 120 days

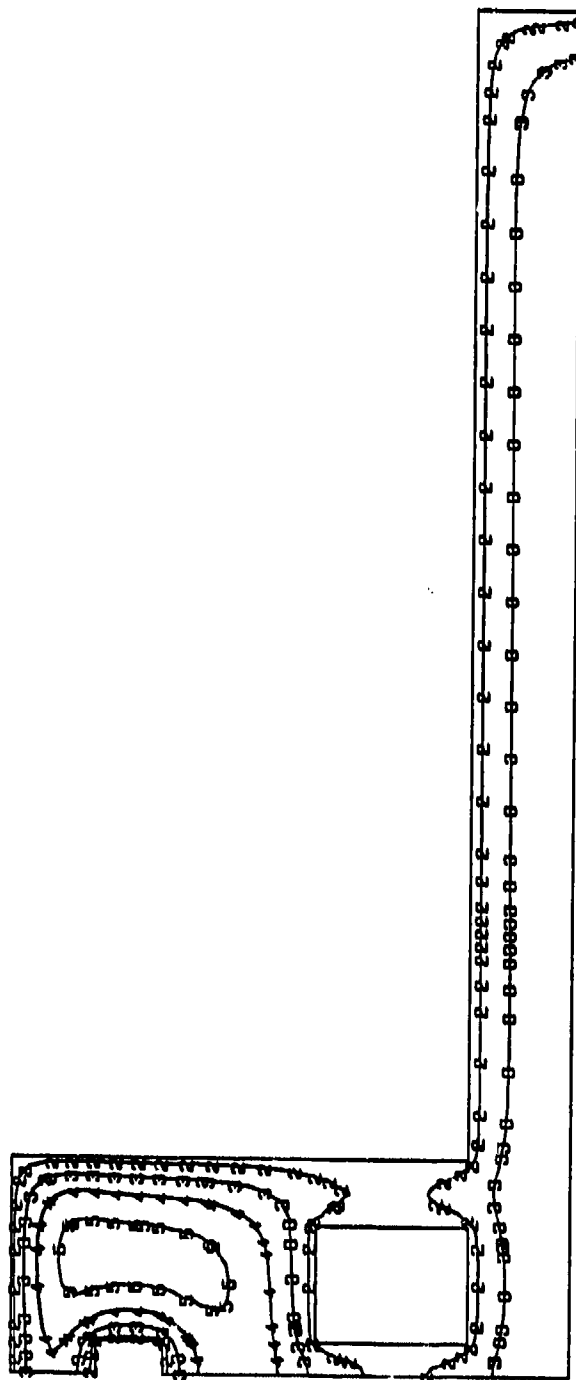


TEMP  
 VALUE  
 1 +6.00E+01  
 2 +6.60E+01  
 3 +7.20E+01  
 4 +7.80E+01  
 5 +8.40E+01  
 6 +9.00E+01

FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119  
 TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.200E+02 # STEP 32 INCREMENT 6

TEMP  
VALUE  
1 +5.00E+01  
2 +6.80E+01  
3 +6.50E+01  
4 +7.40E+01  
5 +8.20E+01  
6 +9.00E+01

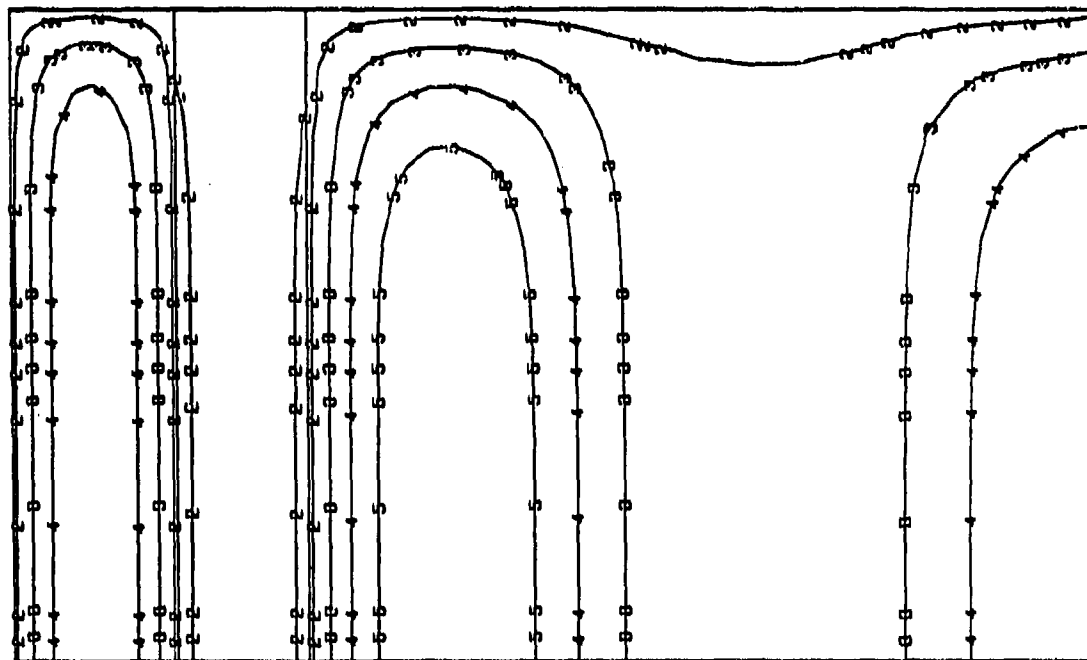
3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW  
ambient temp = 52 deg.F  
tiem = 133 days



1  
FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119

TIME COMPLETED IN THIS STEP +1.300E+01 TOTAL ACCUMULATED TIME +1.330E+02 STEP 33 INCREMENT 13

TEMP	
VALUE	
1	+5.00E+01
2	+5.50E+01
3	+6.20E+01
4	+6.80E+01
5	+7.40E+01
6	+8.00E+01



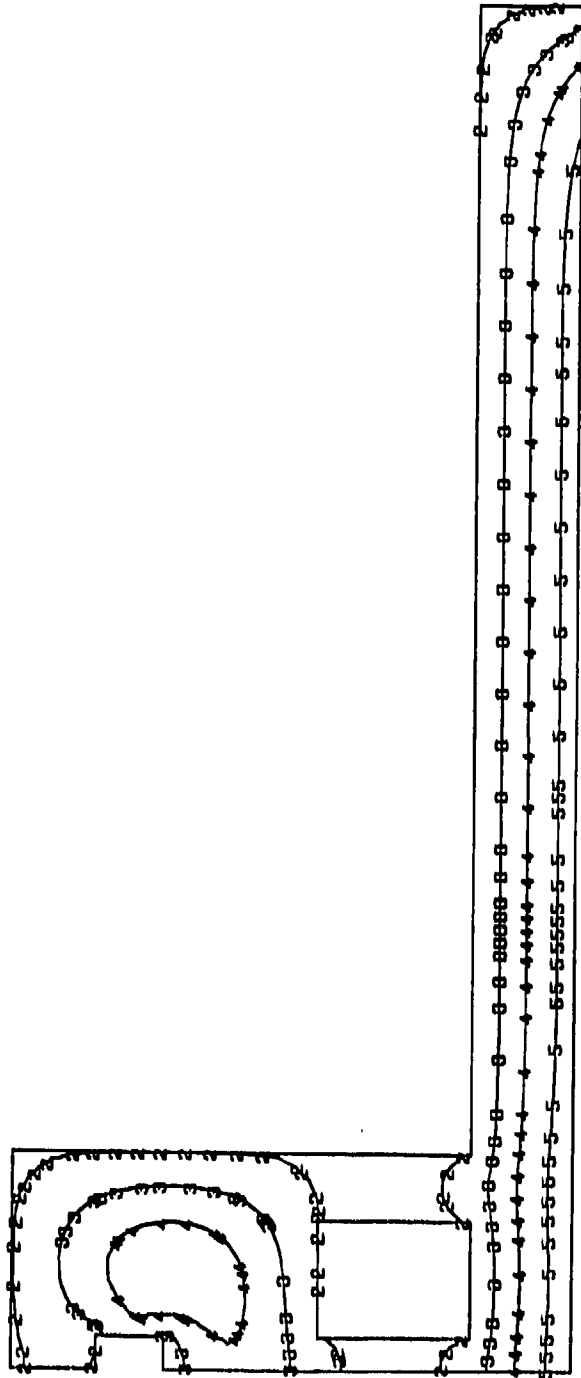
3-D ANALYSIS, CENTER PLANE  
 PARALLEL TO FLOW  
 ambient temp = 52 deg.F  
 time = 133 days

FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119  
 TIME COMPLETED IN THIS STEP +1.300E+01 TOTAL ACCUMULATED TIME +1.330E+02 # STEP 33 INCREMENT 13

TEMP  
VALUE

1 +3.00E+01  
2 +3.50E+01  
3 +4.20E+01  
4 +4.80E+01  
5 +5.40E+01  
6 +6.00E+01

3-D ANALYSIS, CENTER PLANE PARALLEL TO FLOW  
ambient temp = 35.6 deg. F  
t<sub>iem</sub> = 233 days



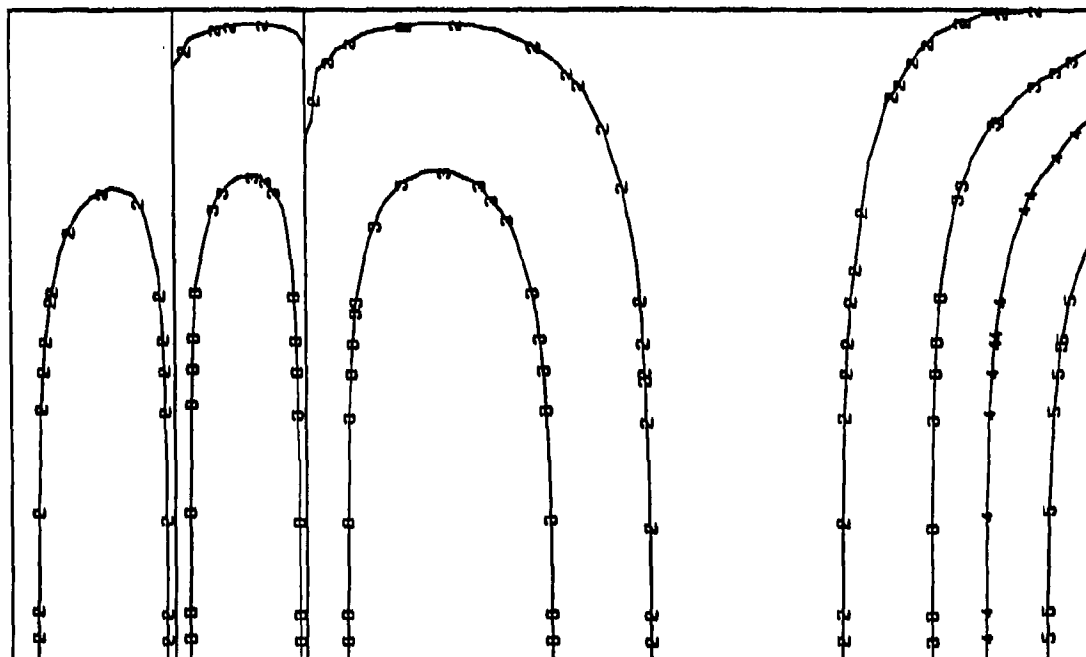
FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119

TIME COMPLETED IN THIS STEP +1.000E+02 TOTAL ACCUMULATED TIME +2.330E+02 ■ STEP 34 INCREMENT 50



TEMP  
VALUE

1	+3.00E+01
2	+3.60E+01
3	+4.20E+01
4	+4.80E+01
5	+5.40E+01
6	+6.00E+01



3-D ANALYSIS, CENTER PLANE  
PARALLEL TO FLOW  
ambient temp = 35.6 deg. F  
time = 233 days

FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119  
TIME COMPLETED IN THIS STEP +1.000E+02 TOTAL ACCUMULATED TIME +2.330E+02 STEP 34 INCREMENT 50

APPENDIX E: MIXTURE 11, 2-D STRESS CONTOUR PLOTS

S11

VALUE

1	-6.00E+01
2	-4.00E+01
3	-1.98E+01
4	+2.00E-05
5	+2.00E+01
6	+4.00E+01

RUN CMSTD1  
ambient temp. = 79 deg. F  
time = 30 days



E3

1

WFRAME 2-D GRID, SUMMER START, PL STRS, L1\_3

TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +2.950E+01 STEP 14 INCREMENT 8

1	-5.00E+01
2	-3.80E+01
3	-2.50E+01
4	-1.40E+01
5	-1.99E+00
6	+1.00E+01

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524
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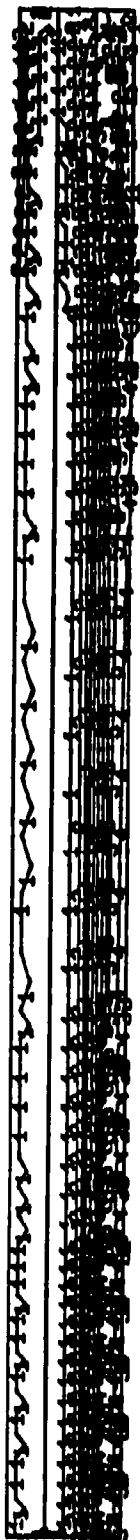
WFRAME 2-D GRID, SUMMER START, PL STRS, L1\_3

TIME COMPLETED IN THIS STEP	+5.000E+00	TOTAL ACCUMULATED TIME	+2.950E+01	STEP 14	INCREMENT 8
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PRINT  
VALUE

1	+1.00E-05
2	+1.00E+01
3	+2.00E+01
4	+3.00E+01
5	+4.00E+01
6	+5.00E+01

RUN OMSTDS1  
ambient temp. = 79 deg. F  
time = 30 days



E5

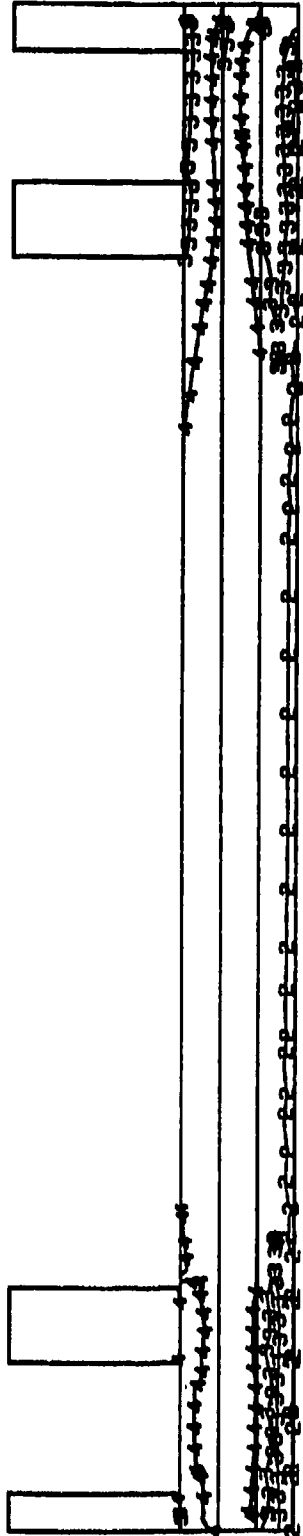
1  
WFRAME 2-D GRID, SUMMER START, PL STRS, L1\_3

TIME SPAN COVERED IN THIS GRID 45 000E+00 TOTAL SPAN COVERED TIME 45 000E+00 CRED 12 IMPROVEMENT 5

S41  
VALUE

1 -1.00E+02  
2 -6.00E+01  
3 -1.99E+01  
4 +2.00E+01  
5 +6.00E+01  
6 +1.00E+02

RUN ONSTD51  
ambient temp. = 75.7 deg. F  
time = 65 days



E6

WFRAME 2-D GRID, SUMMER START, PL STRS, L1\_8

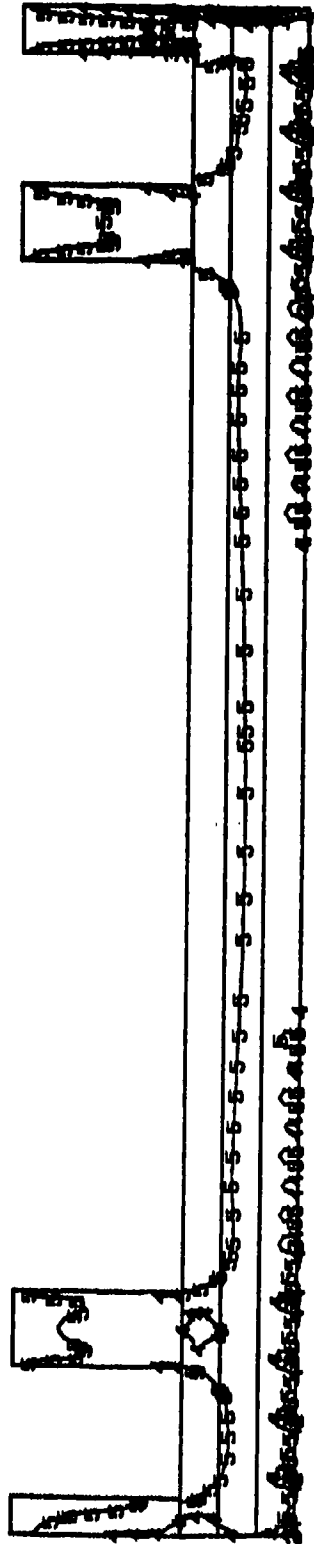
TIME COMPLETED IN THIS STEP +1.500E+01 TOTAL ACCUMULATED TIME +6.450E+01 STEP 31 INCREMENT 15

S22

VALUE

- 1 -7.00E+01
- 2 -5.40E+01
- 3 -3.80E+01
- 4 -2.20E+01
- 5 -5.99E+00
- 6 +1.00E+01

RUN OMSTD51  
 ambient temp. = 75.7 deg. F  
 time = 65 days

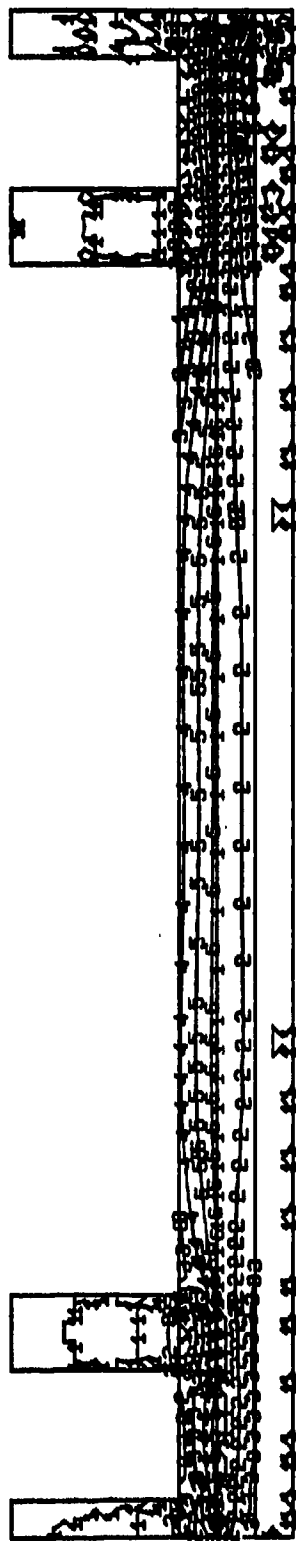


E7

WFRAME 2-D GRID, SUMMER START, PL STRS, L1\_8

TIME COMPLETED IN THIS STEP +1.500E+01 TOTAL ACCUMULATED TIME +6.450E+01 STEP 31 INCREMENT 10

PRIN3	
VALUE	
1	+1.00E+05
2	+1.00E+01
3	+2.00E+01
4	+3.00E+01
5	+4.00E+01
6	+5.00E+01



WFRAME 2-D GRID, SUMMER START, PL STRS, L1\_8

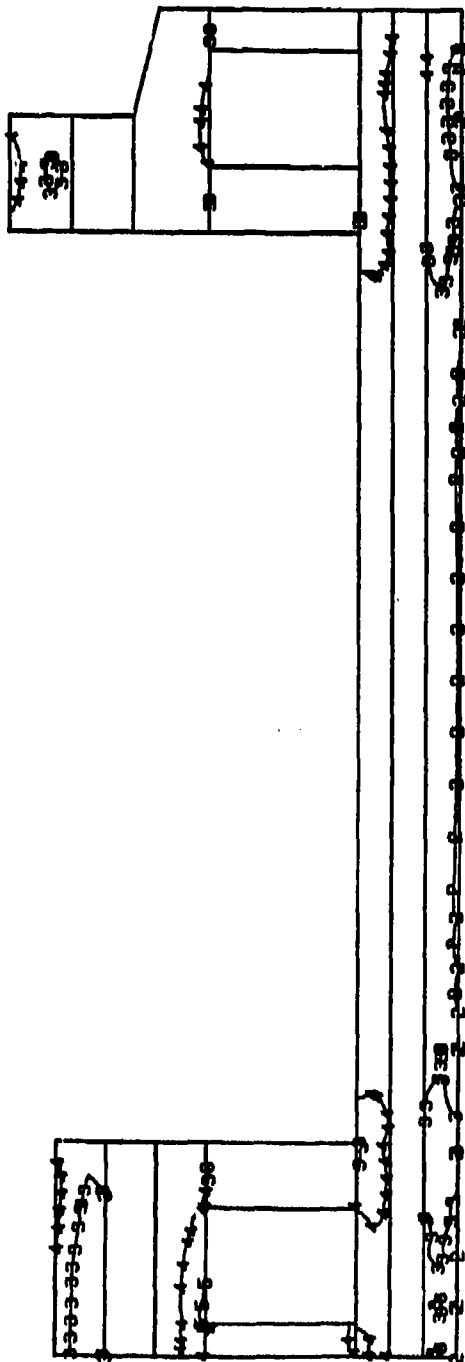
TIME COMPLETED IN THIS STEP	+1.500E+01	TOTAL ACCUMULATED TIME	+6.450E+01	STEP 31 INCREMENT IN



S11  
VALUE

1 -2.00E+02  
2 -1.20E+02  
3 -3.99E+01  
4 +4.00E+01  
5 +1.20E+02  
6 +2.00E+02

RUN OMSTDS1  
ambient temp. = 67 deg. F  
time = 95 days



E9

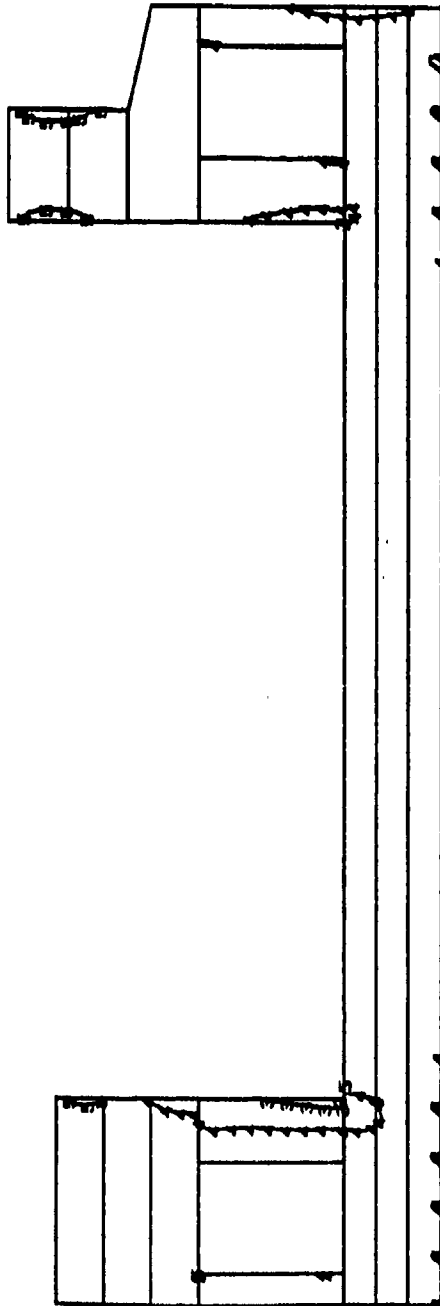
1  
WFRAME 2-D GRID, SUMMER START, PL STRS, L114

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME 40.450E+01 STEP 67 INCREMENT 6

S22  
VALUE

1	-3.00E+02
2	-2.20E+02
3	-1.40E+02
4	-5.95E+01
5	+2.00E+01
6	+1.00E+02

RUN OMSTDS1  
ambient temp. = 67. deg. F  
time = 95 days



E10

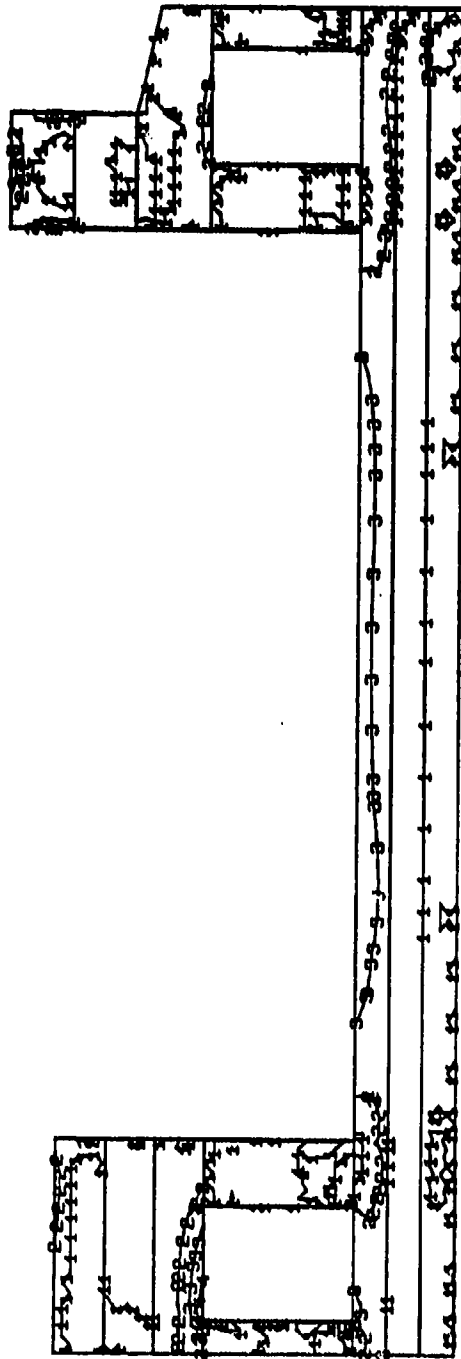
WFRAME 2-D GRID, SUMMER START, PL STRS, L114

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.450E+01 STEP 57 INCREMENT 6

PROB3  
VALUE

1 +4.00E-05  
2 +4.00E+01  
3 +8.00E+01  
4 +1.20E+02  
5 +1.60E+02  
6 +2.00E+02

RUN OMSTDS1  
ambient temp. = 67 deg. F  
time = 95 days



E11

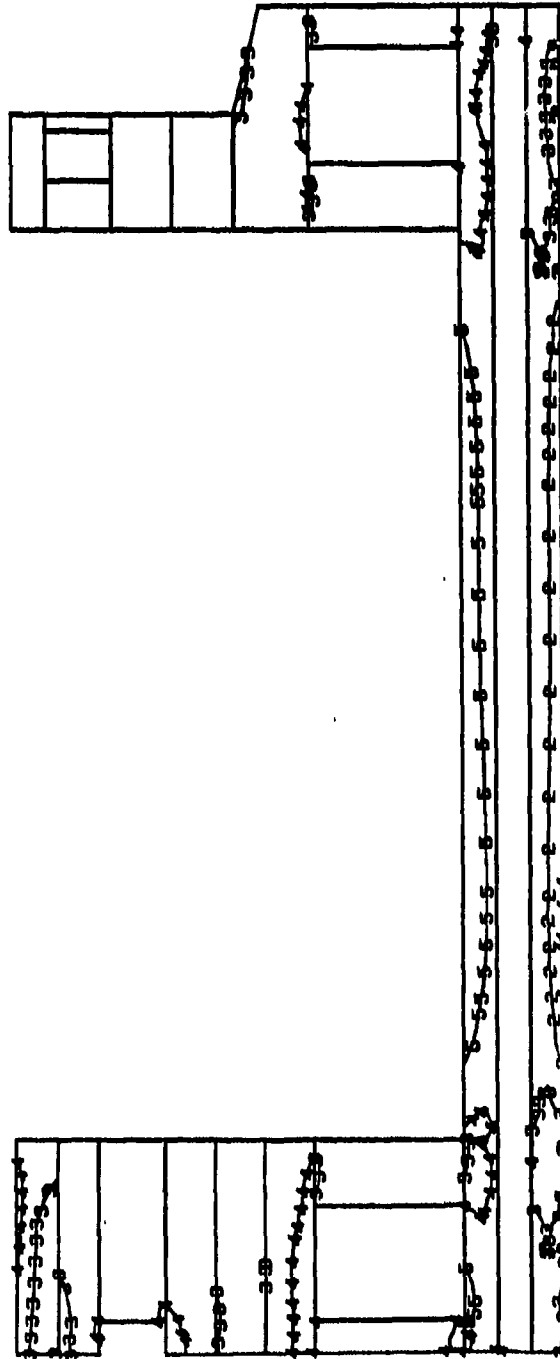
WFRAME 2-D GRID, SUMMER START, PL STRS, L114

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.456E+01 STEP 57 INCREMENT 6

S11  
VALUE

1 -2.00E+02  
2 -1.20E+02  
3 -3.00E+01  
4 +4.00E+01  
5 +1.20E+02  
6 +2.00E+02

RUN OMSTDS1  
ambient temp. = 58 deg. F  
time = 120 days

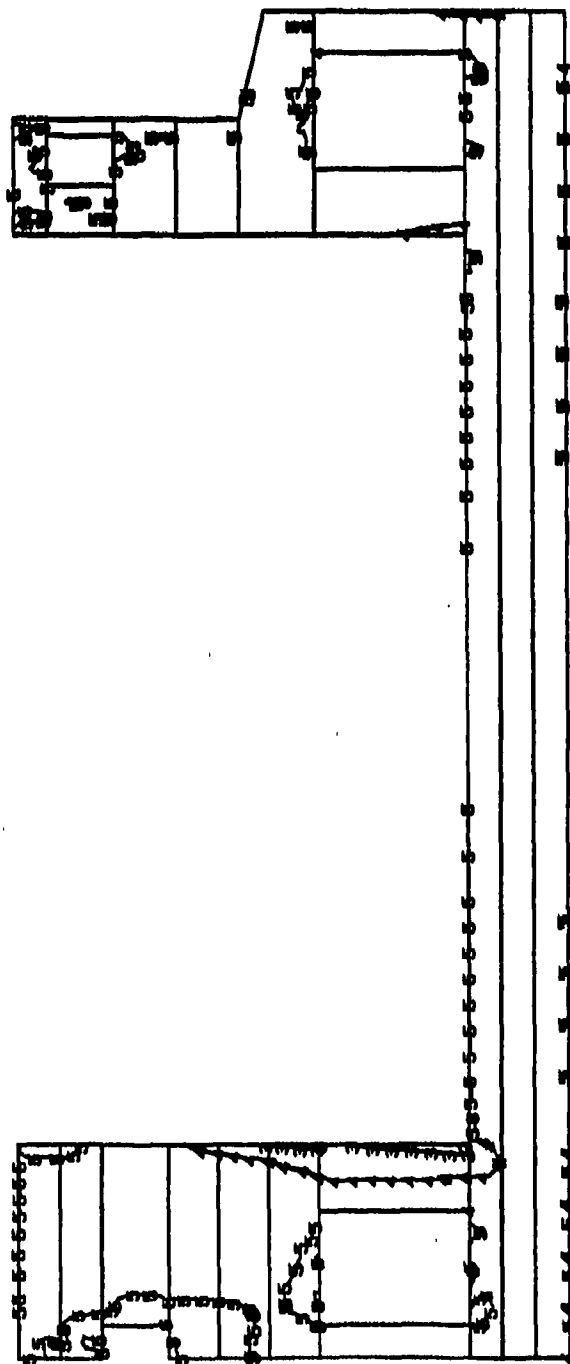


1  
FRAME 2-D GRID, SUMMER START, PL STRS. L119

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.300E+02 STEP 79 INCREMENT 6

-4.00E+02  
-3.00E+02  
-2.00E+02  
-9.99E+01  
+1.00E-04  
+1.00E+02

**RUN 04STD51**  
**ambient temp. = 58 deg. F**  
**time = 120 days**



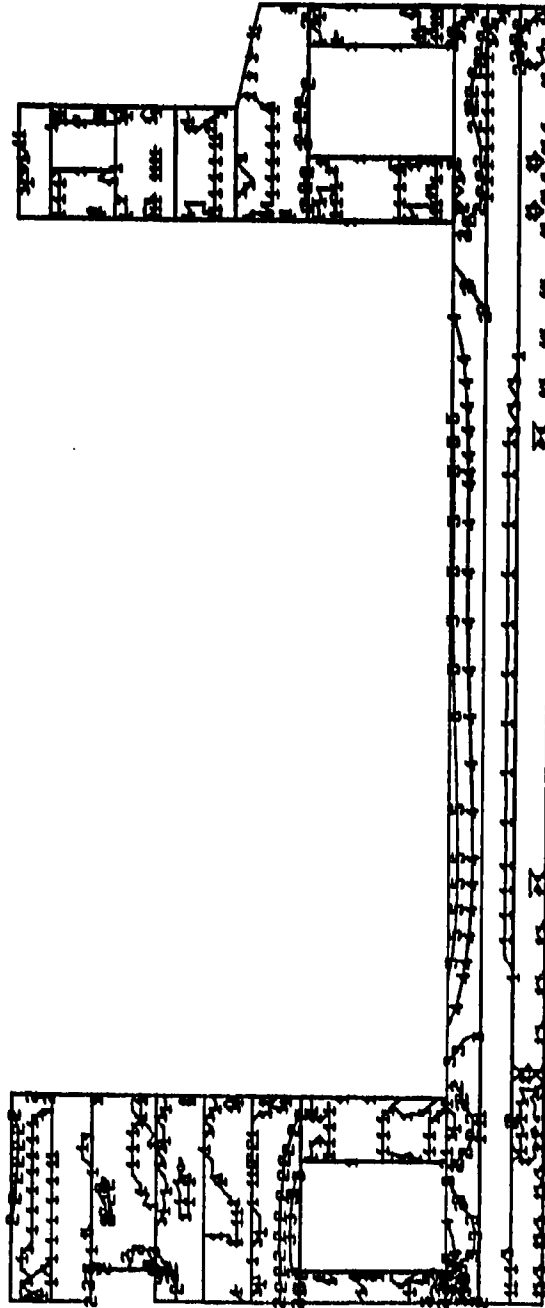
<sup>1</sup>WFRAME 2-D GRID, SUMMER START, PL STRS, L119

TIME COMPLETED IN THIS STEP	TOTAL ACUMULATED TIME	STEP 79 INCIDENTS
+3.000E+00	41.495E+02	

PRINT  
VALUE

1	+4.00E-05
2	+4.00E+01
3	+8.00E+01
4	+1.20E+02
5	+1.60E+02
6	+2.00E+02

RUN OMSTDS1  
ambient temp. = 58 deg. F  
time = 120 days



E14

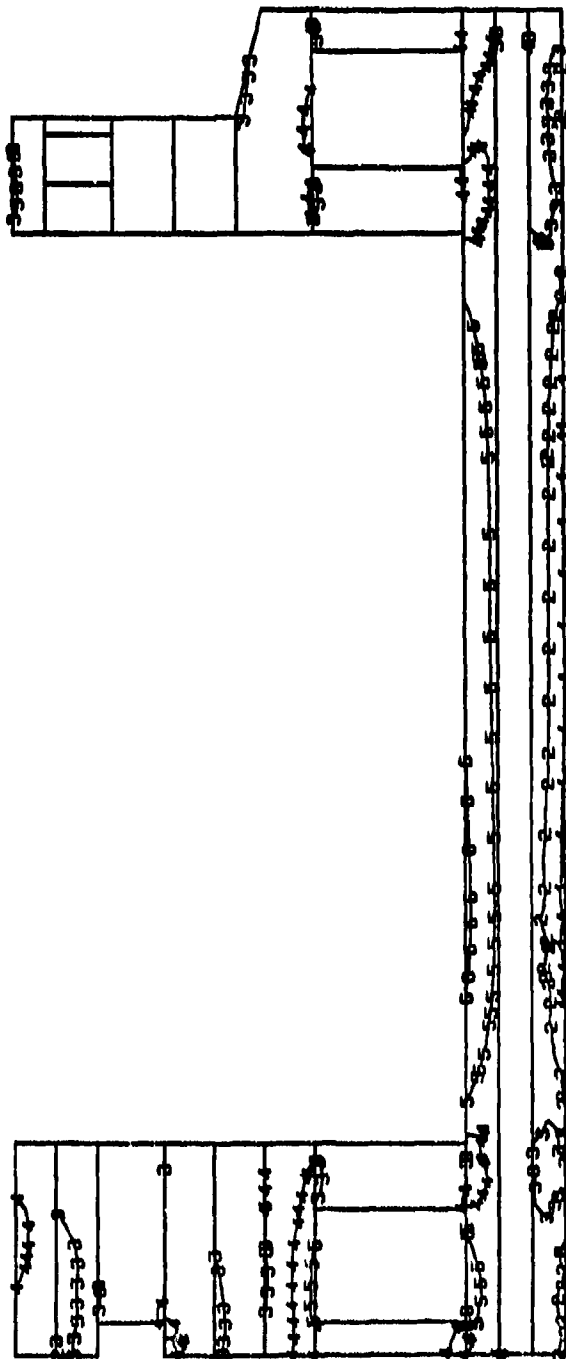
1  
WFRAME 2-D GRID, SUMMER START, PL STRS, L119

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.195E+02 S STEP 79 INCREMENT 8

S15  
VALUE

1 -2.00E+02  
2 -1.20E+02  
3 -3.99E+01  
4 +4.00E+01  
5 +1.20E+02  
6 +2.00E+02

RUN OMSTDS1  
ambient temp. = 52 deg. F  
time = 133 days



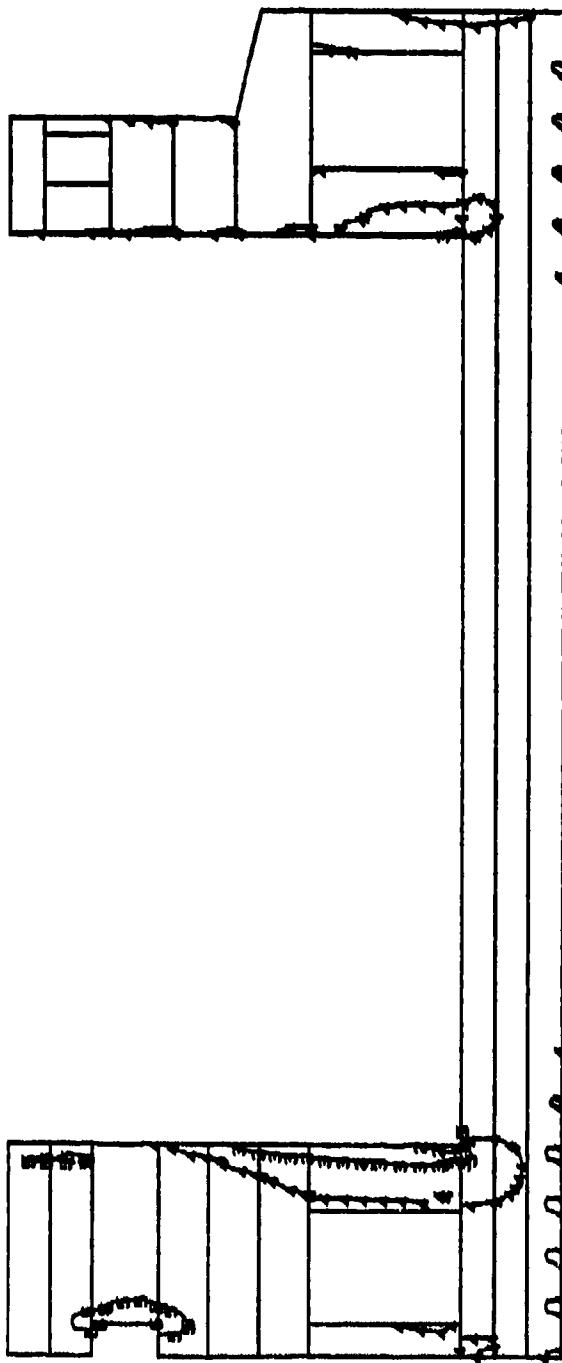
WFRAME 2-D GRID, SUMMER START, PL STRS, L119

TIME COMPLETED IN THIS STEP +1.300E+01 TOTAL ANIMATED TIME +1.325E+02 STEP 80 INCREMENT 13

S22  
VALUE

1	-3.00E+02
2	-2.20E+02
3	-1.40E+02
4	-5.90E+01
5	+2.00E+01
6	+1.00E+02

RUN OMSTDS1  
ambient temp. = 52 deg. F  
time = 133 days



E16

1  
WFRAME 2-D: GRID, SUMMER START, PL STRS, L119

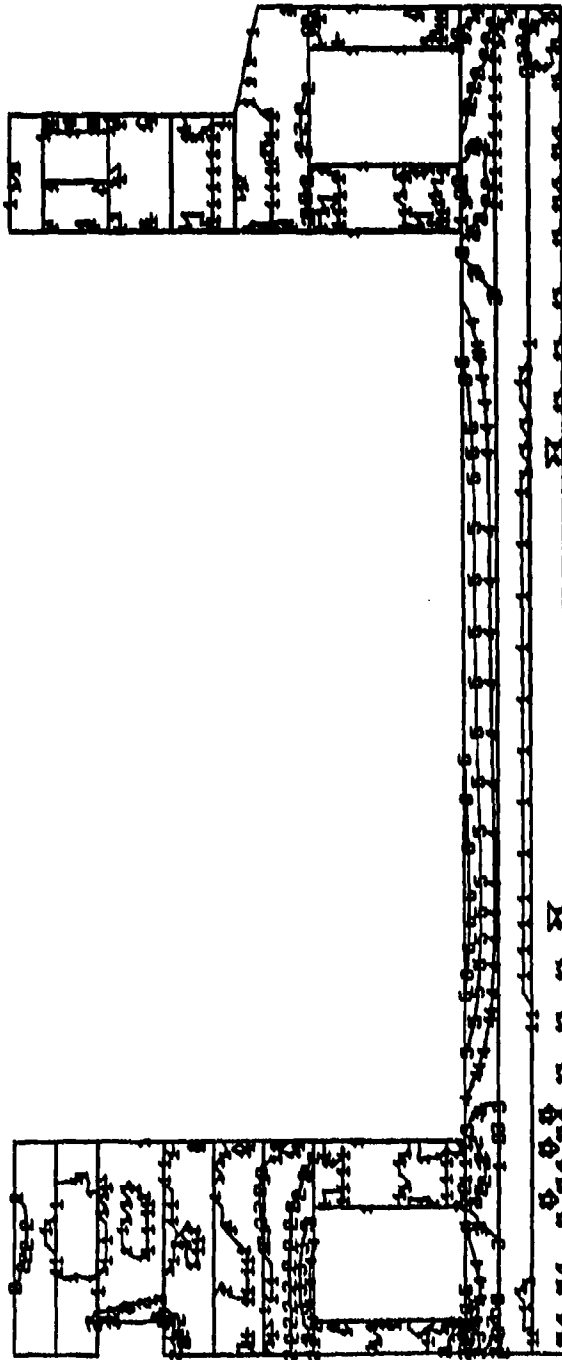
TIME COMPLETED IN THIS STEP +1.300E+01 TOTAL ACCUMULATED TIME +1.320E+02 # STEP 80 INCREMENT 13



PRINT  
VALUE

1 +4.00E+05  
2 +4.00E+01  
3 +8.00E+01  
4 +1.20E+02  
5 +1.60E+02  
6 +2.00E+02

RUN OMSTDS1  
ambient temp. = 52 deg. F  
time = 133 days



E17

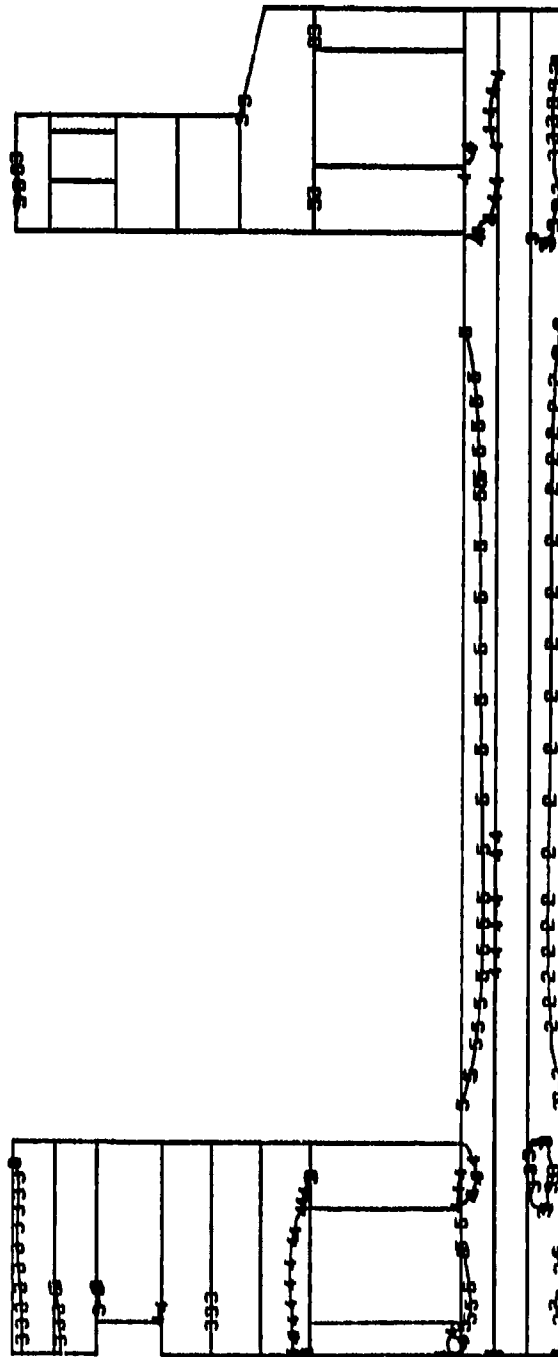
1  
WFRAME 2-D GRID, SUMMER START, PL STRS, L119

TIME PROCEDED IN THIS STEP +4.300E+01 TOTAL ACCUMULATED TIME +1.325E+02 8 STEP 88 INCREMENT 13

S11  
VALUE

1 -3.00E+02  
2 -1.00E+02  
3 -5.99E+01  
4 +6.00E+01  
5 +1.00E+02  
6 +3.00E+02

RUN Q#STD51  
ambient temp. = 39.5 deg. F  
time = 170 days



E18

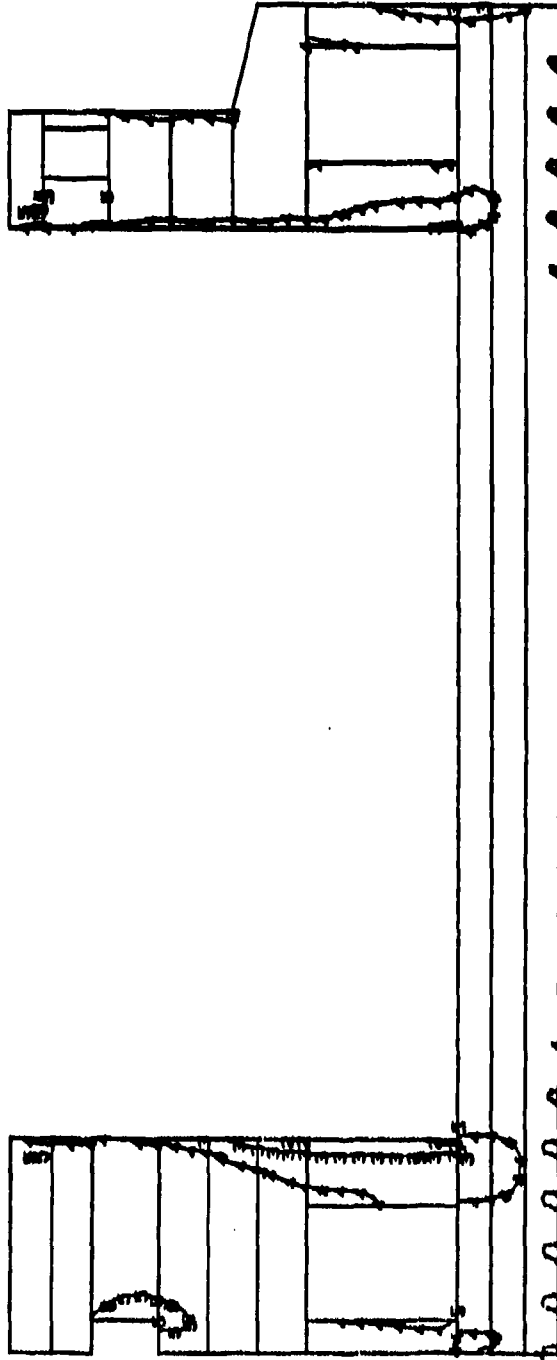
WFRAME 2-D GRID, SUMMER START, PL STRS, L119

TIME COMPLETED IN THIS STEP +3.700E+01 TOTAL ACCUMULATED TIME +1.685E+02 STEP 81 INCREMENT 37

S22  
VALUE

1	-3.00E+02
2	-2.20E+02
3	-1.40E+02
4	-5.95E+01
5	+2.00E+01
6	+1.30E+02

RUN OMSTDS1  
ambient temp. = 39.5 deg. F  
time = 170 days



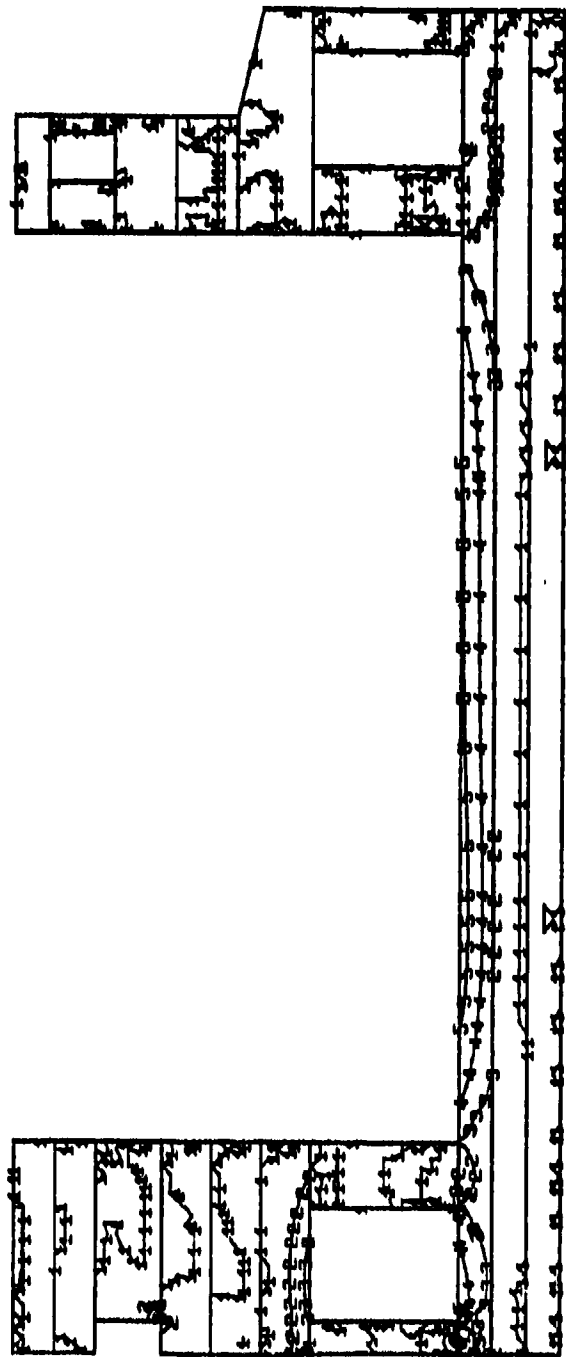
E19

1  
WFRAME 2-D GRID, SUMMER START, PL STRS, L119  
TIME COMPLETED IN THIS STEP +3.700E+01 TOTAL ACCUMULATED TIME +1.688E+02 STEP 61 INCREMENT 37

PRINTS  
VALUE

1 +6.00E-05  
2 +6.00E-01  
3 +1.20E+02  
4 +1.80E+02  
5 +2.40E+02  
6 +3.00E+02

RUN OMSTDS1  
ambient temp. = 39.5 deg. F  
time = 170 days



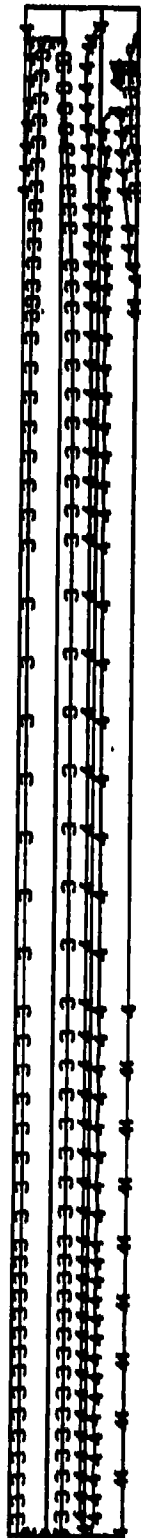
1  
WFRAME 2-D GRID, SUMMER START, PL STRS, L119

TIME COMPLETED IN THIS STEP +3.700E+01 TOTAL ACCUMULATED TIME +1.000E+02 STEP 01 INCREMENT 37

S11  
VALUE

1	-1.00E+02
2	-6.00E+01
3	-1.99E+01
4	+2.00E+01
5	+6.00E+01
6	+1.00E+02

RUN OMSTDS1A  
ambient temp. = 79 deg. F  
time = 30 days



E21

1  
WFRAME 2-D GRID, SUMMER START, PL STRN, L1\_3

TIME COMPI FIED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +2.950E+01 STEP 14 INCREMENT 5

1	-5.00E+01
2	-3.80E+01
3	-2.60E+01
4	-1.40E+01
5	-1.99E+00
6	+1.00E+01

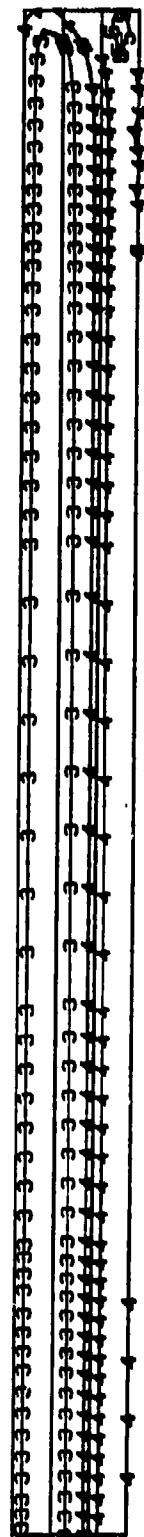
[illegible]

TIME COMPLETED IN THIS STEP	+5.000E+00	TOTAL ACCUMULATED TIME	+2.950E+01	STEP 14	INCREMENT 5

S33  
VALUE

1	-1.00E+02
2	-6.00E+01
3	-1.99E+01
4	+2.00E+01
5	+6.00E+01
6	+1.00E+02

RUN OMSTDS1A  
ambient temp. = 79 deg. F  
time = 30 days



E23

1

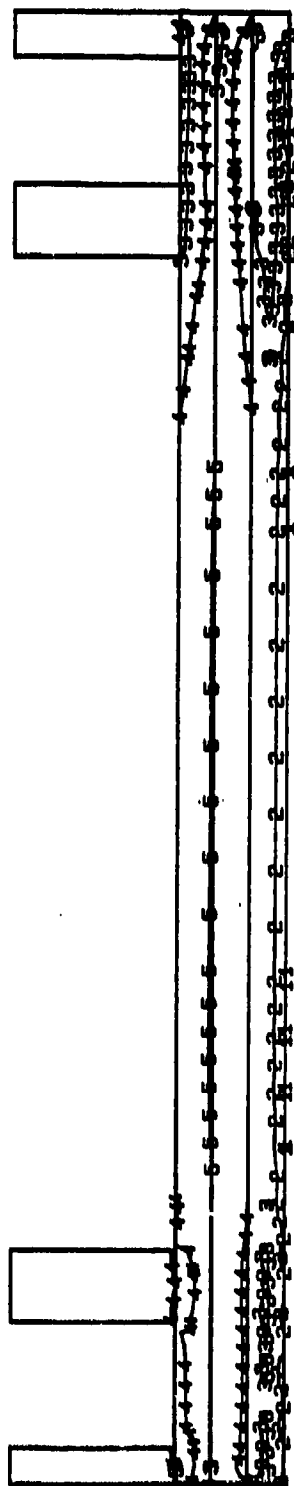
WFRAME 2-D GRID, SUMMER START, PL STN, L1\_3

TIME COMPLETED IN THIS STEP 45 MINUTES TOTAL APPROXIMATED TIME 42 950E+01 H CTED 14 TIMEELEMENT H

S41  
VALUE

1 -1.00E+02  
2 -6.00E+01  
3 -1.99E+01  
4 +2.00E+01  
5 +6.00E+01  
6 +1.00E+02

RUN OMSTDS1A  
ambient temp. = 75.7 deg. F  
time = 65 days



1

WFRAME 2-D GRID, SUMMER START, PL STRN, L1\_8

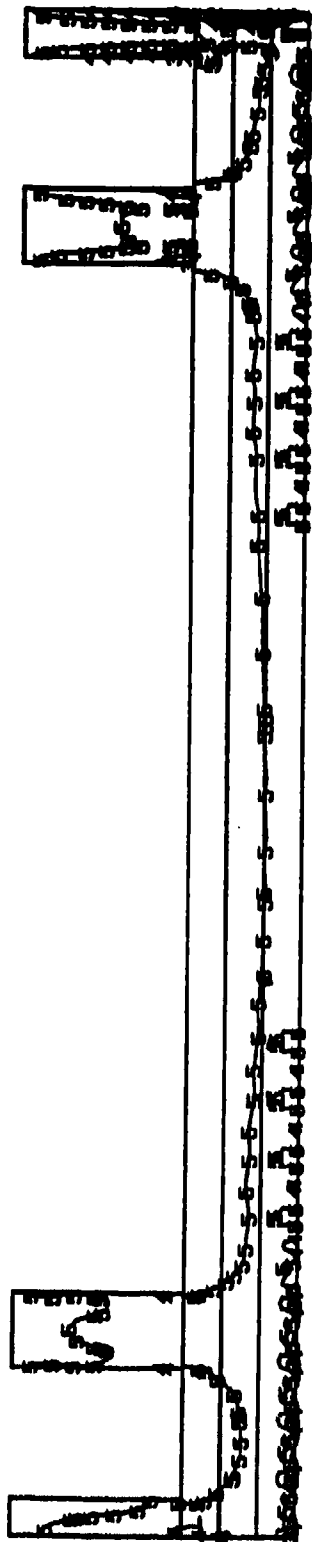
TIME COMPLETED IN THIS STEP +1.500E+01 TOTAL ACCUMULATED TIME +6.400E+01 STEP 31 INCREMENT 35



S22  
VALUE

1 -8.00E+01  
2 -5.20E+01  
3 -4.40E+01  
4 -2.60E+01  
5 -7.98E+00  
6 +1.00E+01

RUN ONSTD51A  
ambient temp. = 75.7 deg. F  
time = 65 days



E25

1

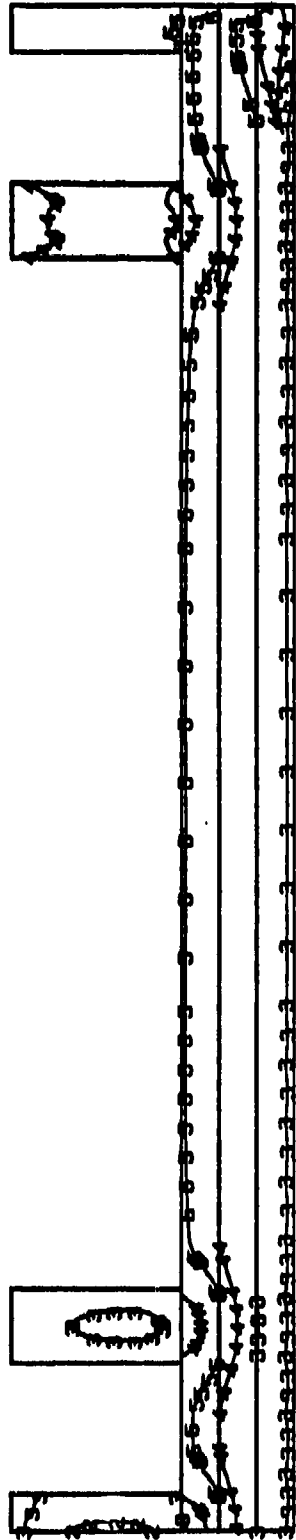
WFRAME 2-D GRID, SUMMER START, PL STN, L1\_8

TIME COMPLETED IN THIS STEP +1.500E+01 TOTAL ACCUMULATED TIME +5.450E+01 STEP 31 INCREMENT 15

S33  
VALUE

1 +4.00E-05  
2 +4.00E+01  
3 +8.00E+01  
4 +1.20E+02  
5 +1.60E+02  
6 +2.00E+02

RUN OMSTDSIA  
ambient temp. = 75.7 deg. F  
time = 65 days



1

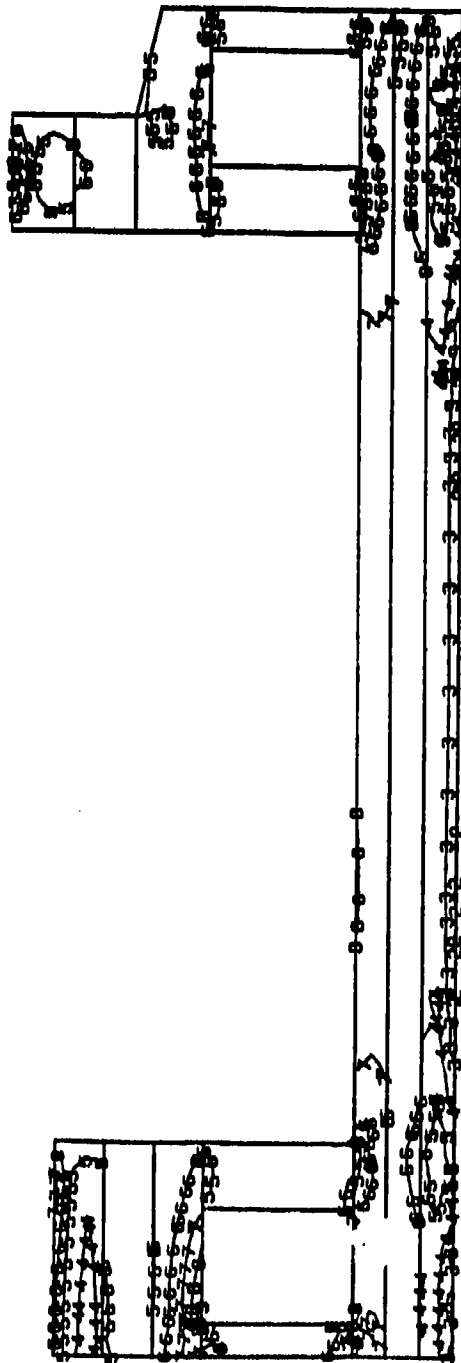
WFRAME 2-D GRID, SUMMER START, PL STRN, L1\_8

TIME COMPLETED IN THIS STEP +1.500E+01 TOTAL ACCUMULATED TIME +6.450E+01 STEP 31 INCREMENT 15

S11  
VALUE

1 -2.00E+02  
2 -1.55E+02  
3 -1.11E+02  
4 -6.66E+01  
5 -2.22E+01  
6 +2.22E+01  
7 +6.66E+01  
8 +1.11E+02  
9 +1.55E+02  
10 +2.00E+02

RUN 04STDS1A  
ambient temp. = 67 deg. F  
time = 95 days



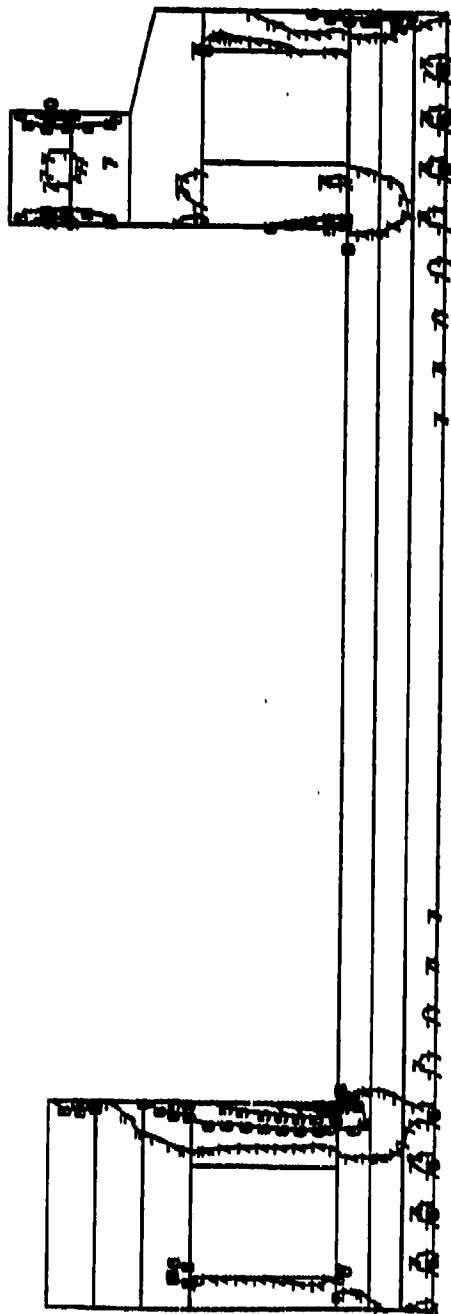
WFRAME 2-D GRID, SUMMER START, PL STN, L114

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.456E+01 STEP 57 INCREMENT 6

S22  
VALUE

1	-3.00E+02
2	-2.55E+02
3	-2.11E+02
4	-1.66E+02
5	-1.22E+02
6	-7.77E+01
7	-3.33E+01
8	+1.11E+01
9	+5.55E+01
10	+1.00E+02

RUN OMSTDSIA  
ambient temp. = 67 deg. F  
time = 95 days



E28

1

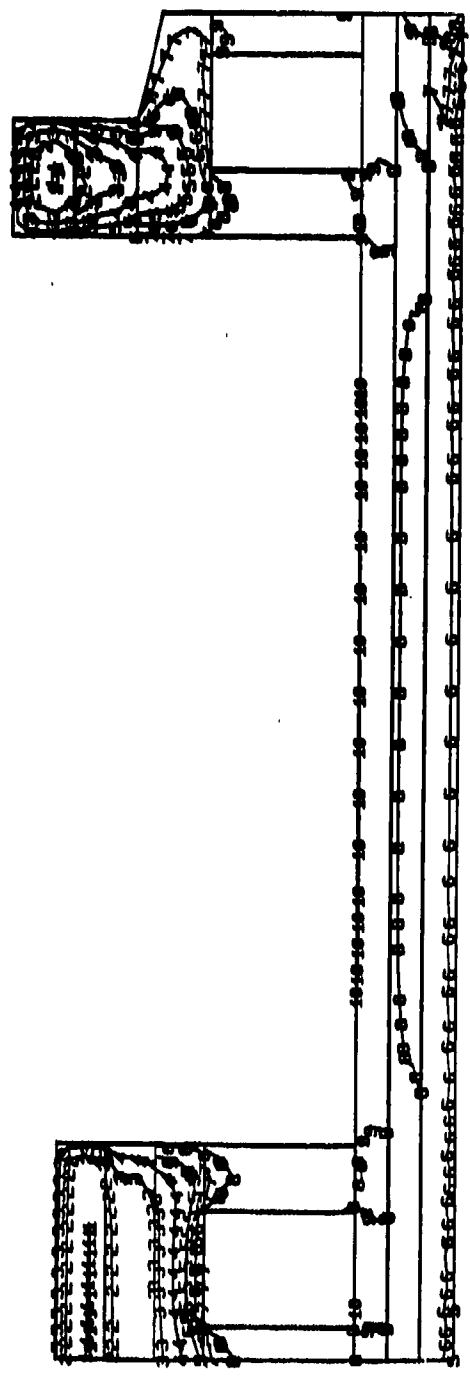
WFRAME 2-D GRID. SUMMER START, PL STRN, L114

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.468E+01 STEP 57 INCIDENT 8

S33  
VALUE

- 1 -1.00E+02
- 2 -5.55E+01
- 3 -1.11E+01
- 4 +3.33E+01
- 5 +7.77E+01
- 6 +1.22E+02
- 7 +1.66E+02
- 8 +2.11E+02
- 9 +2.55E+02
- 10 +3.00E+02

RUN ONSTDLSIA  
ambient temp. = 67 deg. F  
time = 95 days



1

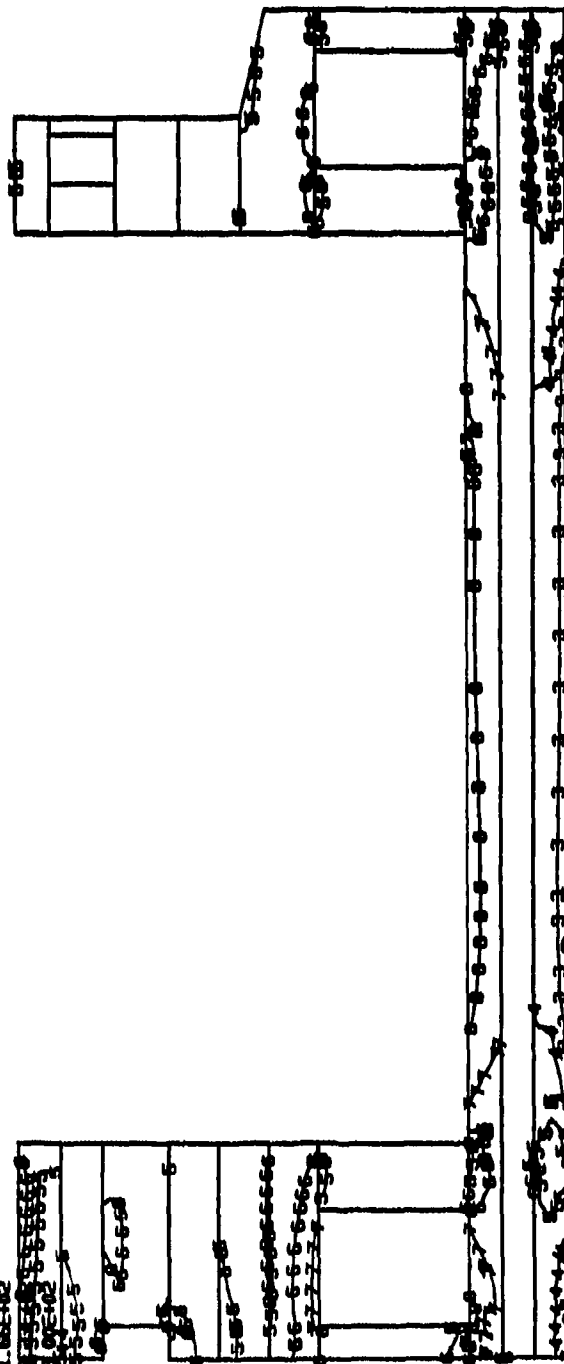
WFRAME 2-D GRID, SUMMER START, PL STN, L114

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.458E+01 STEP 57 INCREMENT 6

S11  
VALUE

1	-3.00E+02
2	-2.33E+02
3	-1.00E+02
4	-1.00E+02
5	-3.33E+01
6	+3.33E+01
7	+1.00E+02
8	+1.00E+02
9	+3.33E+01
10	+3.00E+02

RUN OMSTDIA  
ambient temp. = 58 deg. F  
time = 120 days



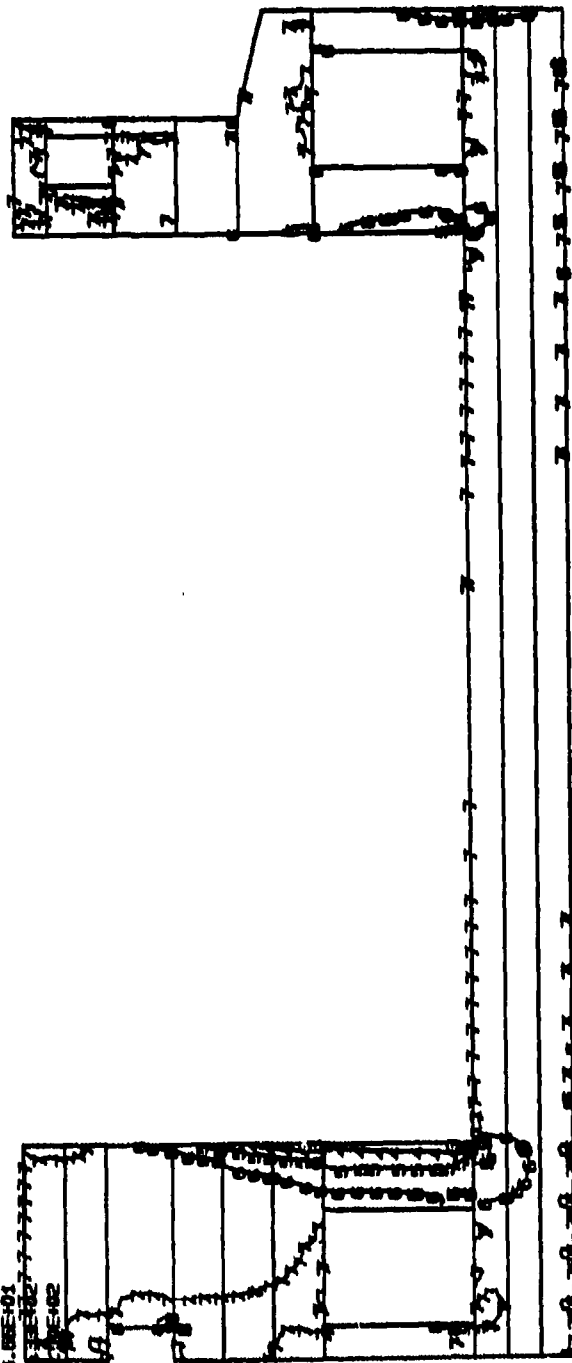
1  
WFRAME 2-D GRID, SUMMER START, PL STN, L119

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.885E+02 STEP 79 INCREMENT 6

S22  
VALUE

1	-4.00E+02
2	-3.33E+02
3	-2.66E+02
4	-2.00E+02
5	-1.33E+02
6	-6.66E+01
7	+6.66E+01
8	+1.33E+02
9	+2.00E+02
10	

RUN ONSTD51A  
ambient temp. = 58 deg. F  
time = 120 days



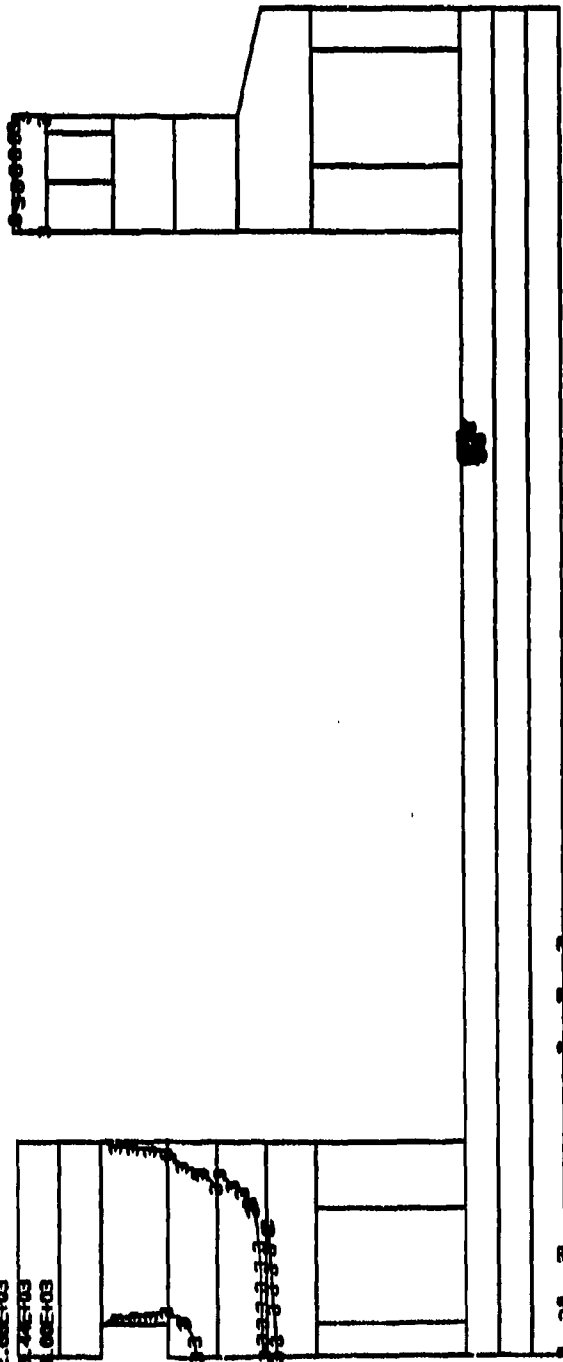
1  
WFRAME 2-D GRID, SUMMER START, PL STRN. L119

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.155E+02 8 STEP 79 INCREMENT 6

S33  
VALUE

1	-1.00E+03
2	-4.44E+02
3	+1.11E+02
4	+6.66E+02
5	+1.22E+03
6	+1.77E+03
7	+2.33E+03
8	+2.88E+03
9	+3.44E+03
10	+4.00E+03

RUN 0MSTD51A  
ambient temp. = 58 deg. F  
time = 120 days



1  
WFRAME 2-D GRID, SUMMER START, PL STN, L119

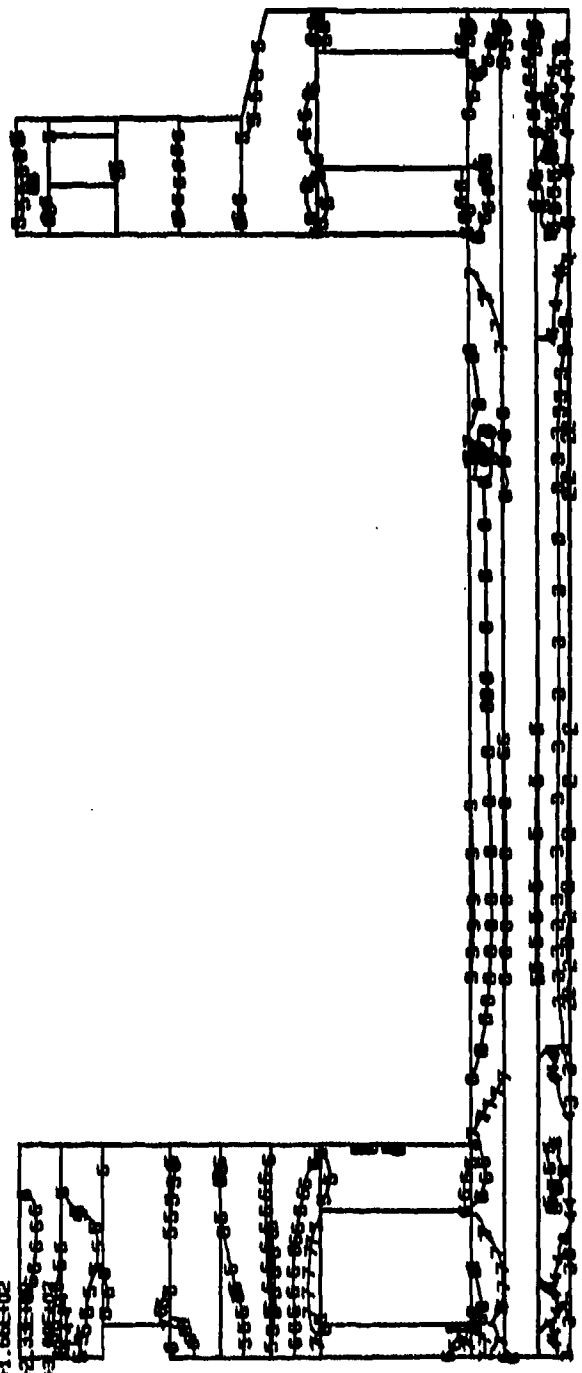
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.195E+02 8 STEP 79 INCREMENT 6



S11  
VALUE

- 1 -3.00E+02
- 2 -2.33E+02
- 3 -1.66E+02
- 4 -1.00E+02
- 5 -3.33E+01
- 6 +3.33E+01
- 7 +1.00E+02
- 8 +1.66E+02
- 9 +2.33E+02
- 10 +3.00E+02

RUN OMSTDS1A  
ambient temp. = 52 deg. F  
time = 133 days



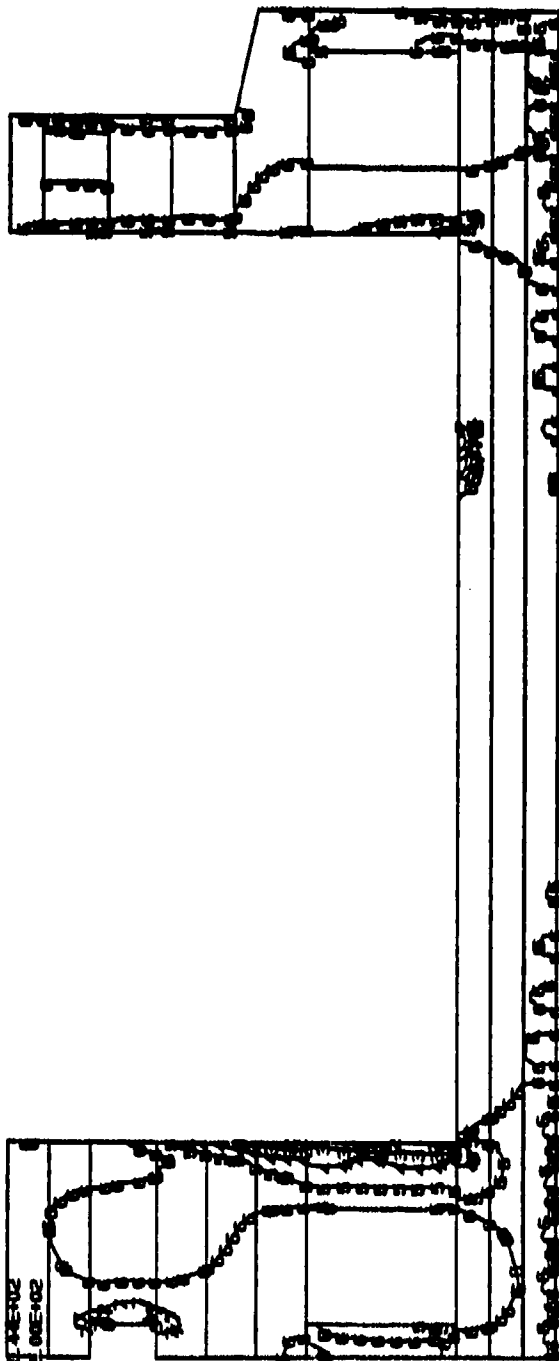
1  
WFRAME 2-D GRID, SUMMER START, PL STAN. L119

TDE COMPLETED IN THIS STEP +1.300E+01 TOTAL ACCUMULATED TIME +1.333E+02 STEP 80 INCREMENT 13

S22  
VALUE

1	-3.00E+02
2	-2.44E+02
3	-1.88E+02
4	-1.33E+02
5	-7.77E+01
6	-2.22E+01
7	+3.33E+01
8	+8.88E+01
9	+1.44E+02
10	+2.00E+02

RUN OMSTDSIA  
ambient temp. = 52 deg. F  
time = 133 days



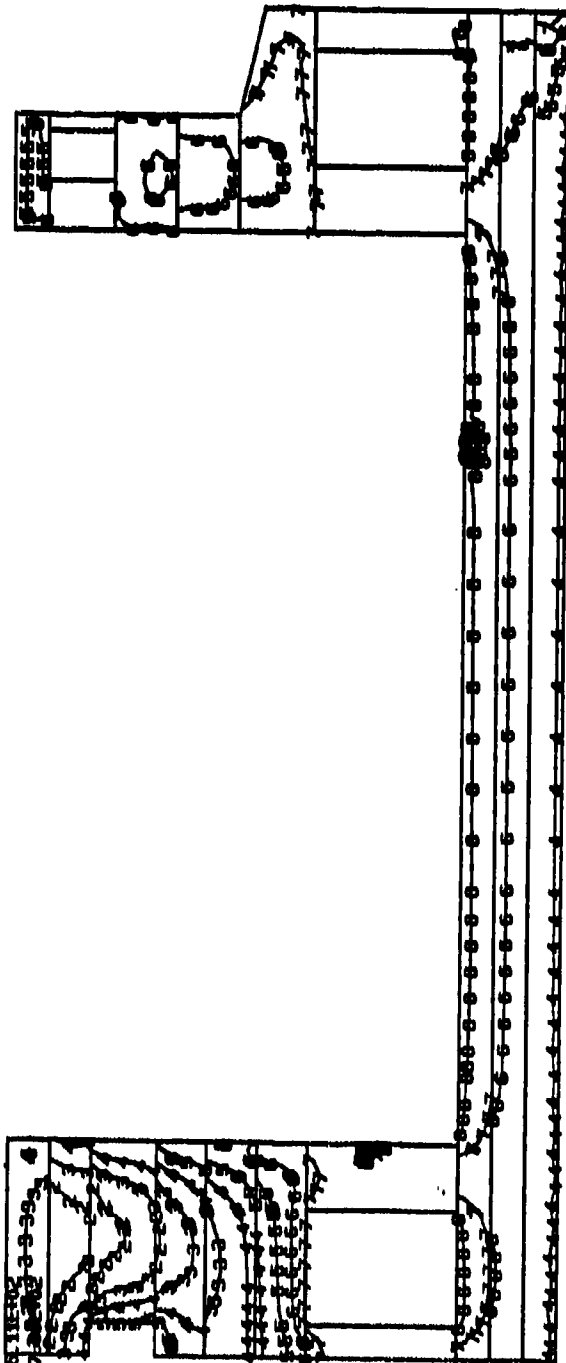
WFRAME 2-D GRID, SUMMER START, PL STRN, L119

TIDE COMPLETED IN THIS STEP +1.300E+01 TOTAL ACCUMULATED TIME +1.325E+02 STEP 60 INCREMENT 13

S33  
VALUE

1	-1.00E+02
2	-1.11E+01
3	+7.77E+01
4	+1.66E+02
5	+2.00E+02
6	+3.44E+02
7	+4.33E+02
8	+5.22E+02
9	+6.11E+02
10	+7.00E+02

RUN OMSTDS1A  
ambient temp. = 52 deg. F  
time = 133 days



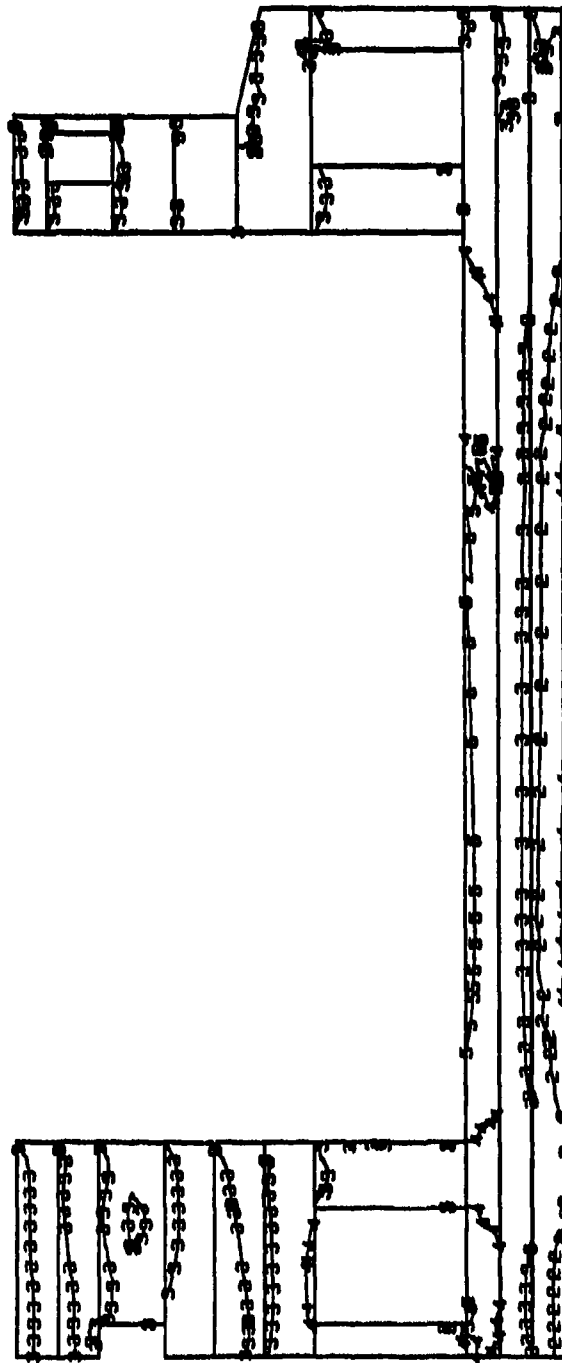
1  
WFRAME 2-D GRID. SUMMER START. PL STN. L119

TIME COMPLETED IN THIS STEP +1.300E+01 TOTAL ACCUMULATED TIME +1.32E+02 STEP 00 INCREMENT 13

S11  
VALUE

1 -3.00E+02  
2 -1.60E+02  
3 -1.99E+01  
4 +1.20E+02  
5 +2.60E+02  
6 +4.00E+02

RUN OMSTD51A  
ambient temp. = 39.5 deg. F  
time = 170 days



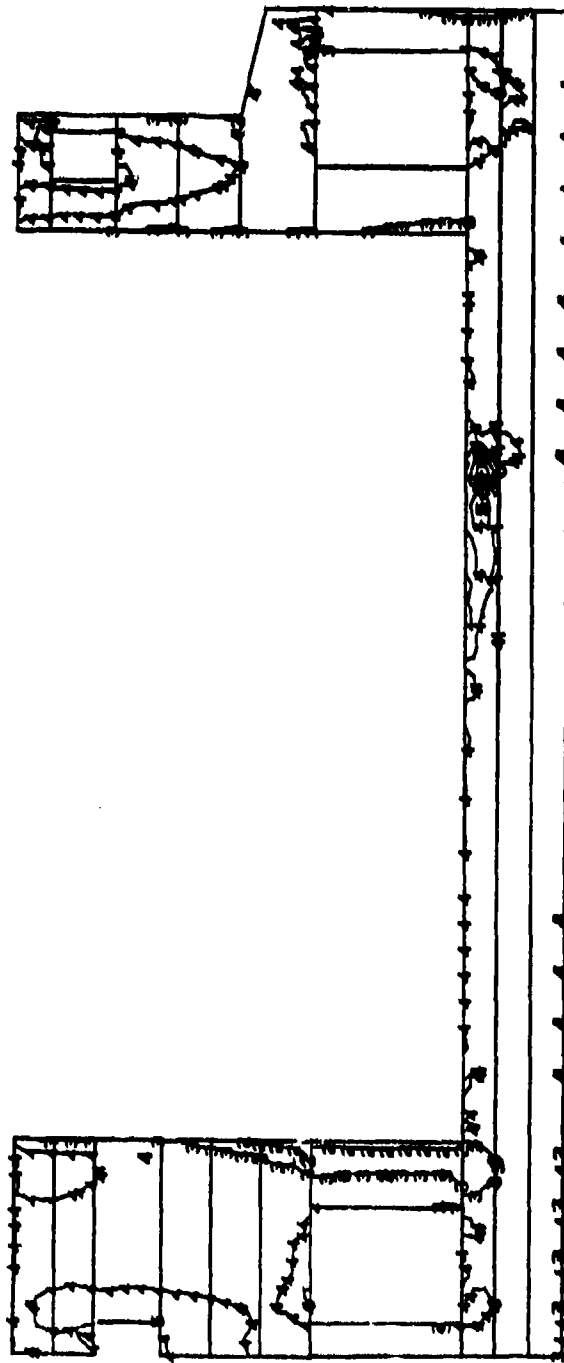
1  
WFRAME 2-0 GRID, SUMMER START, PL STRN, L119

TIME COMPLETED IN THIS STEP +3.700E+01 TOTAL ACCUMULATED TIME +1.600E+02 STEP 61 INCREMENT 27

S22  
VALUE

1	-3.00E+02
2	-2.00E+02
3	-9.99E+01
4	+1.00E-04
5	+1.00E+02
6	+2.00E+02

RUN OMSTD51A.  
ambient temp. = 39.5 deg. F  
time = 170 days



E37

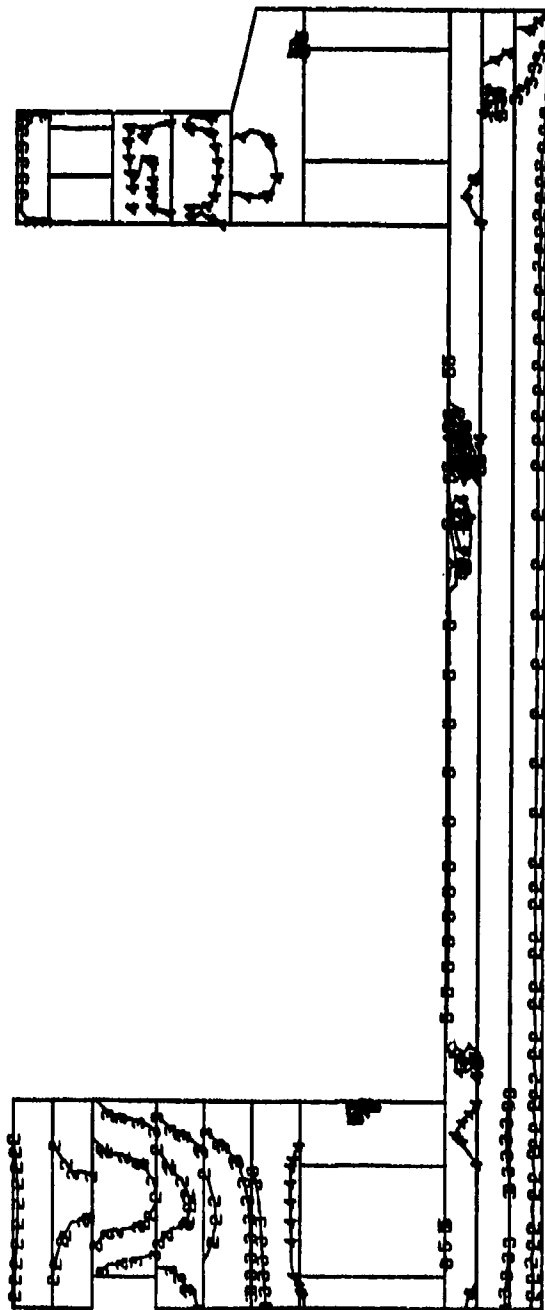
WFRAME 2-D GRID, SUMMER START, PL STN, L119

TIME COMPLETED IN THIS STEP +3.700E+01 TOTAL ACCUMULATED TIME +1.095E+02 STEP 61 INCREMENT 37

S33  
VALUE

- 1 +1.00E+02
- 2 +2.60E+02
- 3 +4.20E+02
- 4 +5.80E+02
- 5 +7.40E+02
- 6 +9.00E+02

RUN OMSTD51A  
ambient temp. = 39.5 deg. F  
time = 170 days



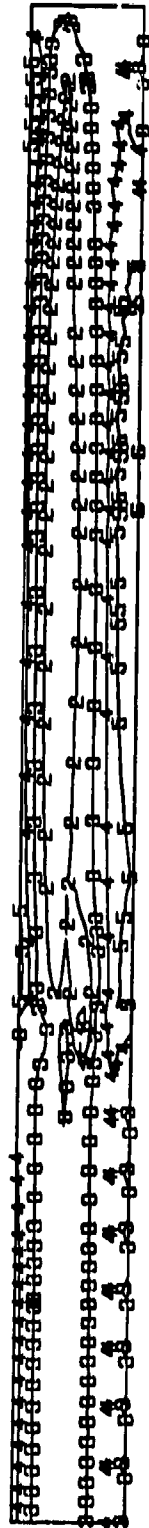
WFRAME 2-D GRID, SUMMER START, PL STAN, L119

TIME COMPLETED IN THIS STEP +3.700E+01 TOTAL ACCUMULATED TIME +1.880E+02 STEP 81 INCREMENT 37

L1  
VALUE

1 -5.00E+01  
2 -2.80E+01  
3 -5.99E+00  
4 +1.50E+01  
5 +3.80E+01  
6 +6.00E+01

RUN OMSTDS4  
ambient temp. = 79 deg. F  
time = 30 days



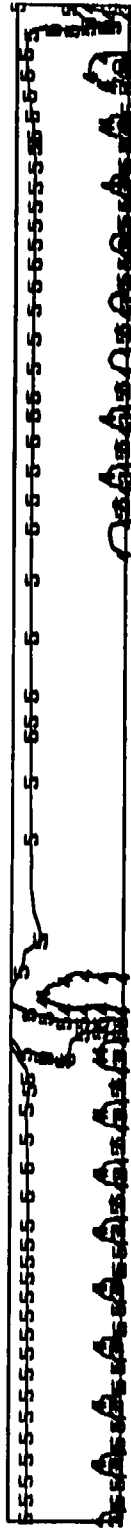
<sup>1</sup>  
WFRAME 2-D GRID, SUMMER START, PL STRS, L1\_4

TIME COMPLETED IN THIS STEP +1.000E+01 TOTAL ACCUMULATED TIME +2.950E+01 STEP 15 INCREMENT 10

22  
ALUE

1 -5.00E+01  
2 -3.80E+01  
3 -2.60E+01  
4 -1.40E+01  
5 -1.99E+00  
6 +1.00E+01

RUN OMSTDS4  
ambient temp. = 79 deg. F  
time = 30 days



E40

<sup>1</sup>  
WFRAME 2-D GRID, SUMMER START, PL STRS, L1\_4

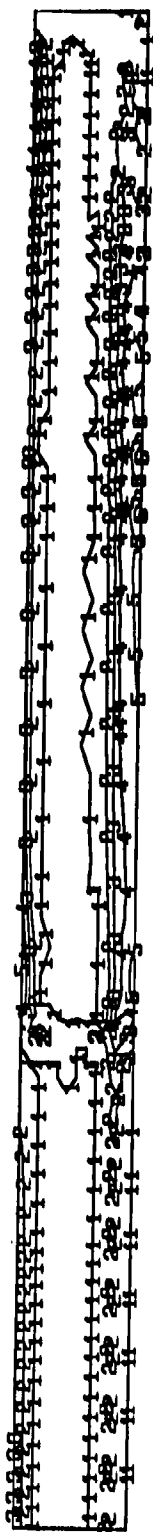
TIME COMPLETED IN THIS STEP +1.000E+01 TOTAL ACCUMULATED TIME +2.550E+01 STEP 16 INCREMENT 10



RIN3  
ALUE

1 +1.20E-05  
2 +1.20E+01  
3 +2.40E+01  
4 +3.60E+01  
5 +4.80E+01  
6 +6.00E+01

RUN OMSTDS4  
ambient temp. = 79 deg. F  
time = 30 days



E41

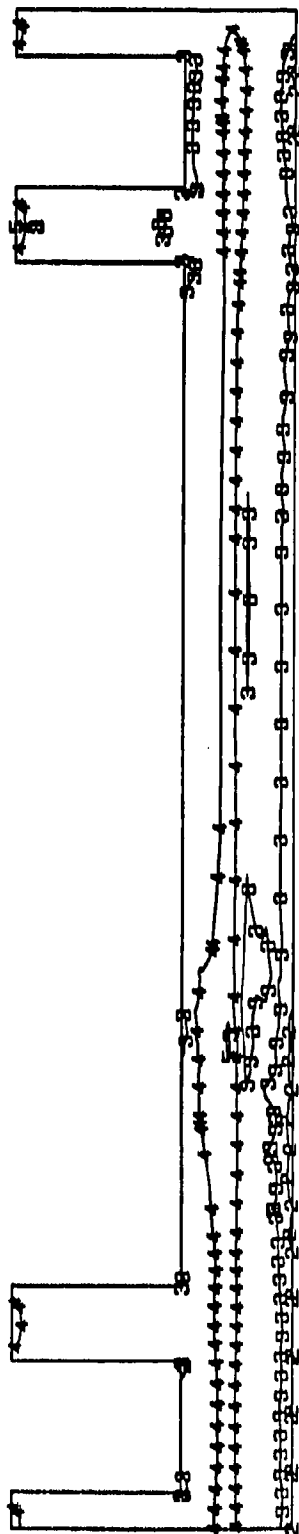
<sup>1</sup>  
WFRAME 2-D GRID, SUMMER START, PL STRS, L1\_4

TIME COMPLETED IN THIS STEP +1.000E+01 TOTAL ACCUMULATED TIME +2.950E+01 STEP 16 INCREMENT 10

VALUE

- 1 -1.00E+02
- 2 -6.00E+01
- 3 -1.99E+01
- 4 +2.00E+01
- 5 +6.00E+01
- 6 +1.00E+02

RUN OMSTDS4  
 ambient temp. = 75.7 deg. F  
 time = 65 days



E42

1

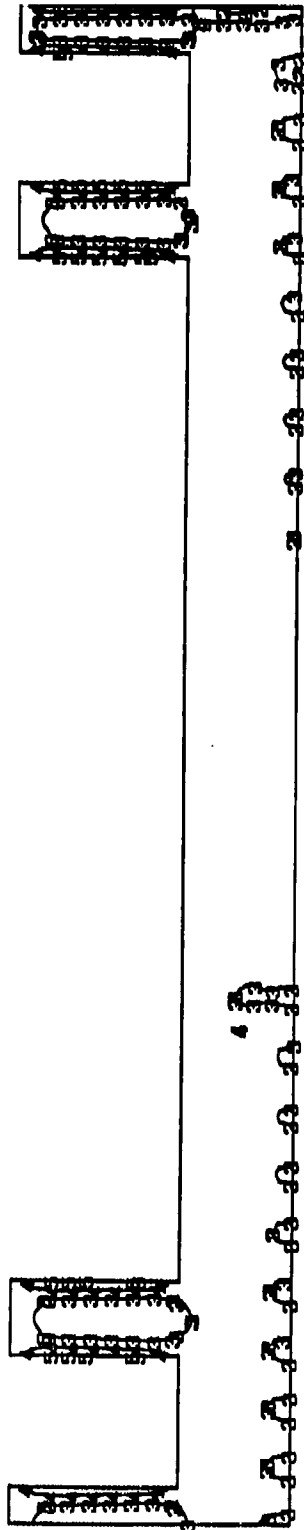
WFRAME 2-D GRID, SUMMER START, PL STRS, L1\_8

TIME COMPLETED IN THIS STEP +1.500E+01 TOTAL ACCUMULATED TIME +6.450E+01 STEP 33 INCREMENT 15

322  
VALUE

1	-1.00E+02
2	-6.00E+01
3	-1.99E+01
4	+2.00E+01
5	+6.00E+01
6	+1.00E+02

RUN OMSTDS4  
ambient temp. = 75.7 deg. F  
time = 65 days



E43

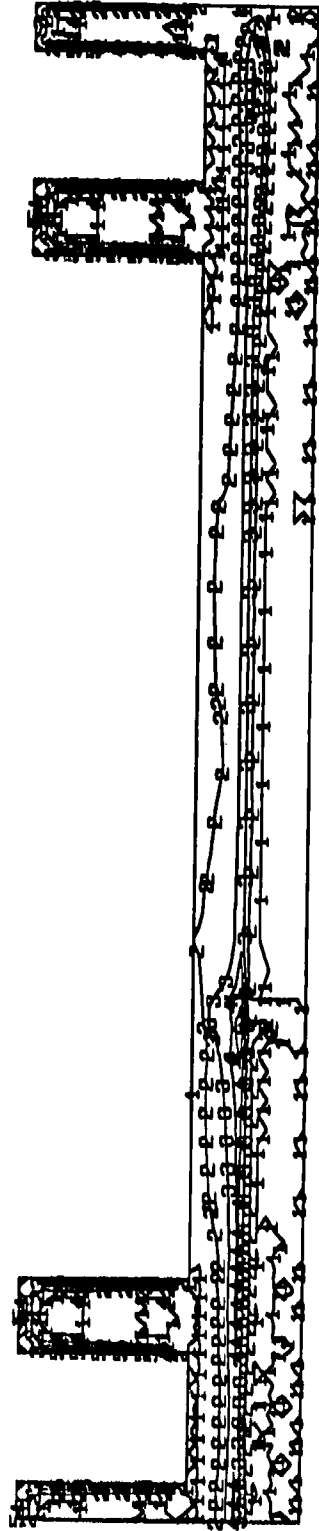
<sup>1</sup>  
WFRAME 2-D GRID, SUMMER START, PL STRS, L1\_8

TIME COMPLETED IN THIS STEP +1.500E+01    TOTAL ACCUMULATED TIME +6.450E+01    STEP 33    INCREMENT 15

PRINT  
VALUE

1	+1.40E-05
2	+1.40E+01
3	+2.80E+01
4	+4.20E+01
5	+5.60E+01
6	+7.00E+01

RUN OMSTDS4  
ambient temp = 75.7 deg. F  
time = 65 days



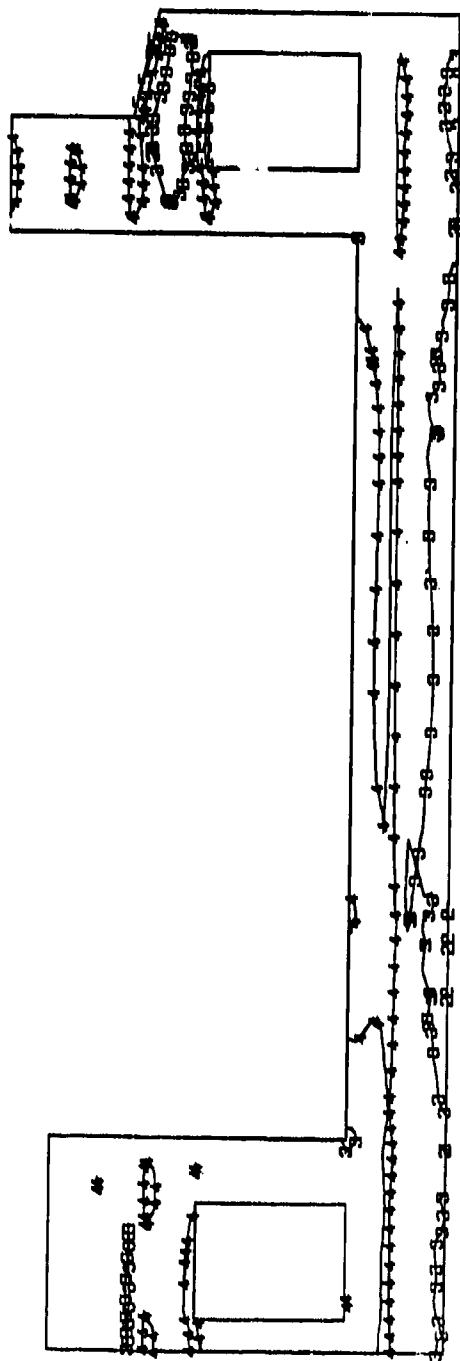
<sup>1</sup>  
WFRAME 2-D GRID, SUMMER START, PL STRS, L1\_8

TIME COMPLETED IN THIS STEP +1.500E+01    TOTAL ACCUMULATED TIME +6.450E+01    STEP 33    INCREMENT 15

11  
ALLIE

1 -2.00E+02  
2 -1.20E+02  
3 -3.95E+01  
4 +4.00E+01  
5 +1.20E+02  
6 +2.00E+02

RUN OMSTDS4  
ambient temp. = 67 deg. F  
time = 95 days



E45

1  
WFRAME 2-D GRID, SUMMER START, PL STRS, L114

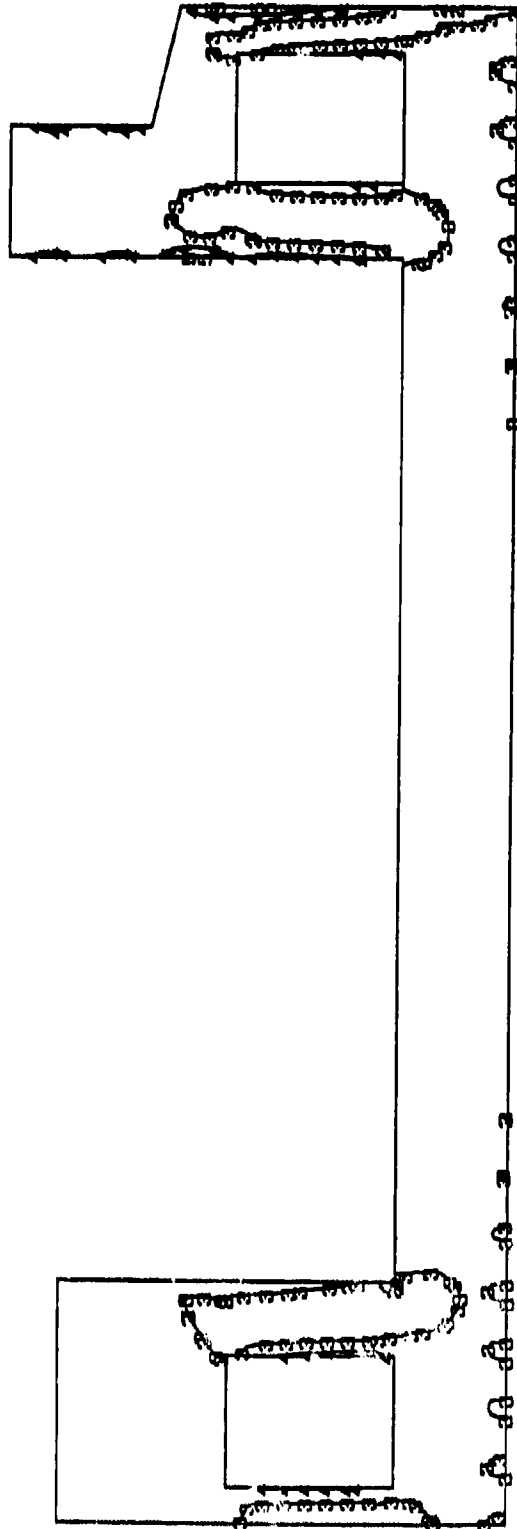
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.450E+01 STEP 59 INCREMENT 6

322

VALUE

1	-2.00E+02
2	-1.20E+02
3	-3.99E+01
4	+4.00E+01
5	+1.20E+02
6	+2.00E+02

RUN OMSTDS4  
 ambient temp. = 67 deg. F  
 time = 95 days



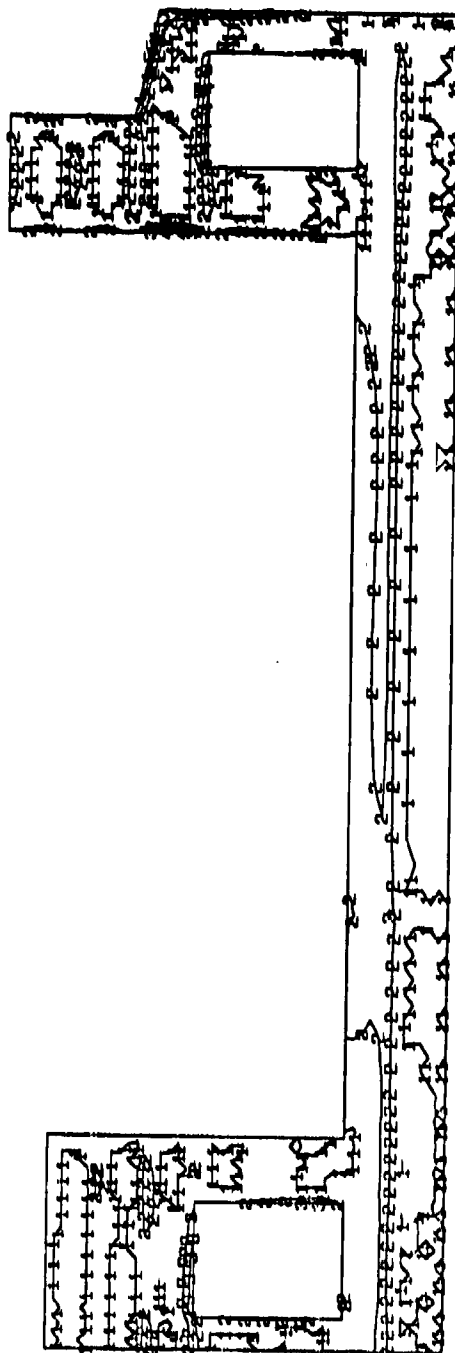
1  
 WFRAME 2-D GRID, SUMMER START, PL STRS, L114

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.450E+01 STEP 59 INCREMENT 6

PRING  
VALUE

1	+4.00E-05
2	+4.00E+01
3	+8.00E+01
4	+1.20E+02
5	+1.60E+02
6	+2.00E+02

RUN OMSTDS4  
ambient temp. = 67 deg. F  
time = 95 days



E47

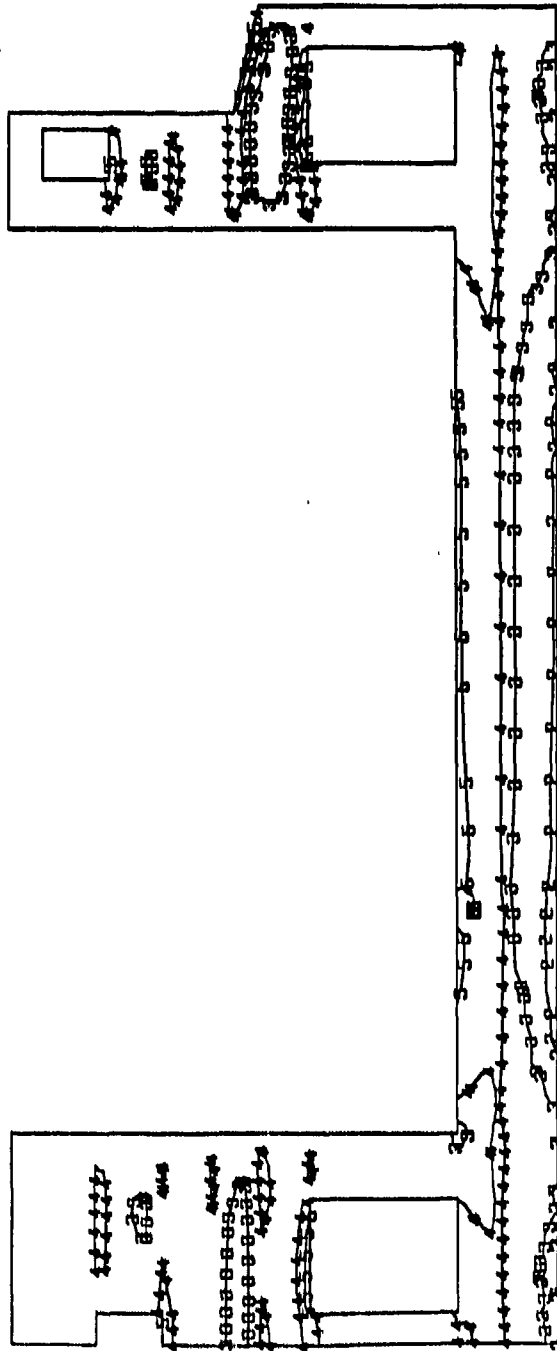
WFRAME 2-D GRID, SUMMER START, PL STRS, L114

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.450E+01 STEP 53 INCREMENT 5

311  
VALUE

1 -2.00E+02  
2 -1.20E+02  
3 -3.95E+01  
4 +4.00E+01  
5 +1.20E+02  
6 +2.00E+02

RUN OMSTDS4  
ambient temp. = 58 deg. F  
time = 120 days



E48

WFRAME 2-D GRID, SUMMER START, PL STRS, L119

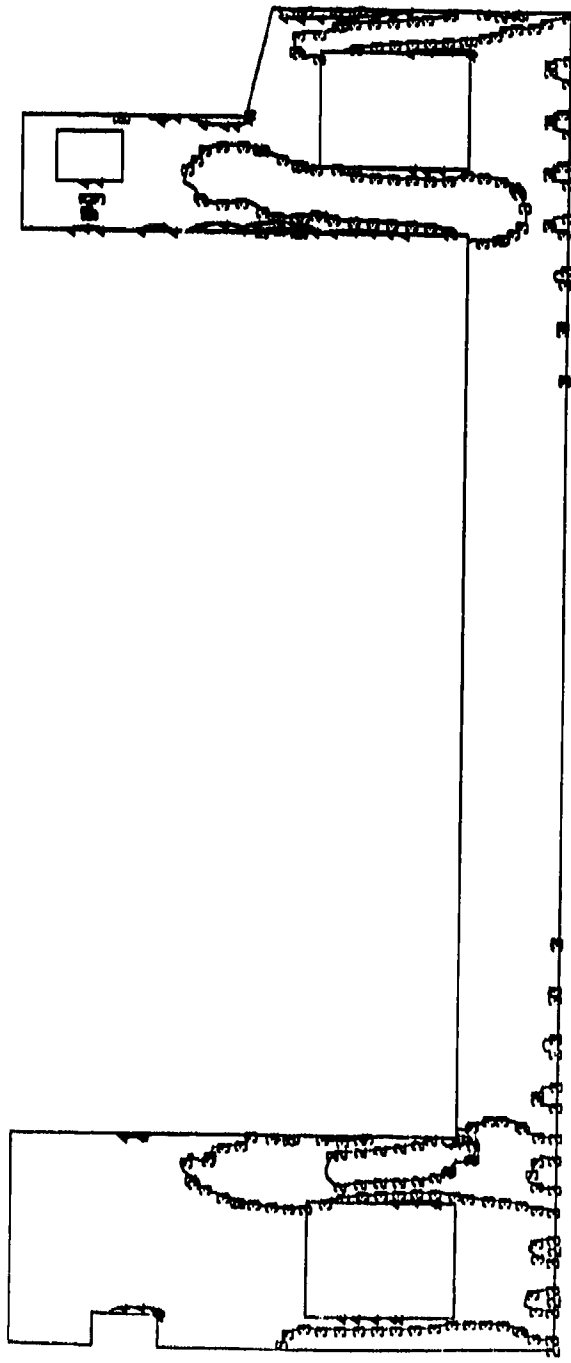
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.155E+02 STEP 81 INCREMENT 5



522  
VALUE

1	-2.00E+02
2	-1.20E+02
3	-3.99E+01
4	+4.00E+01
5	+1.20E+02
6	+2.00E+02

RUN 0MSTDS4  
ambient temp. = 58 deg. F  
time = 120 days



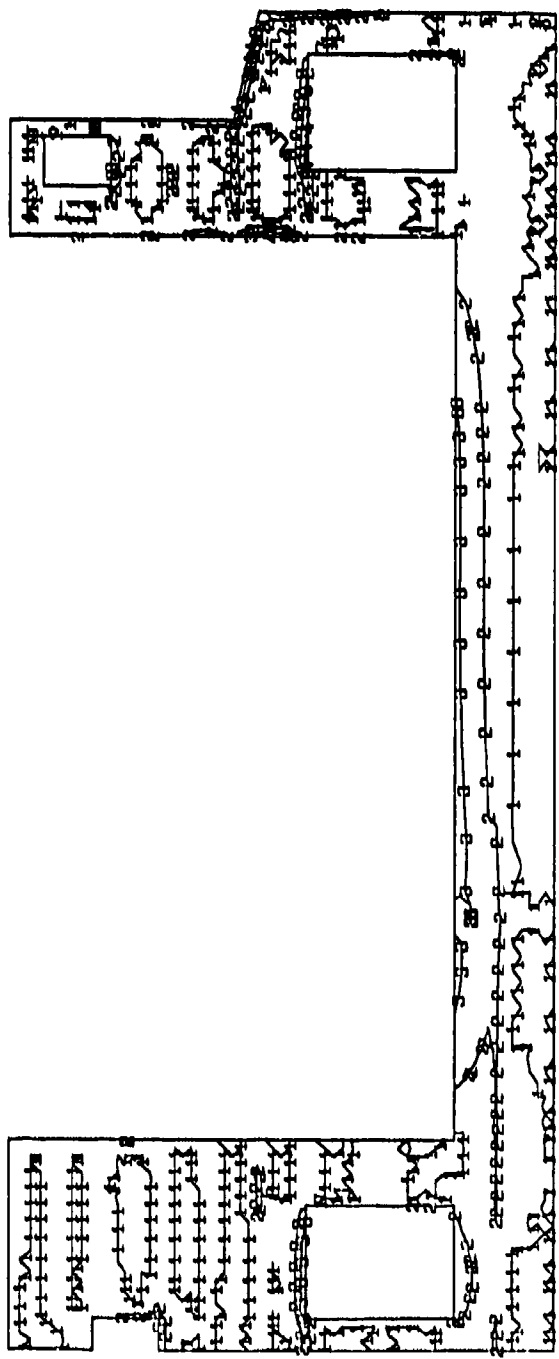
WFRAME 2-D GRID, SUMMER START, PL STRS, L119

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.195E+02 STEP 81 INCREMENT 5

VALUE

- 1 +5.00E-05
- 2 +5.00E+01
- 3 +1.20E+02
- 4 +1.80E+02
- 5 +2.40E+02
- 6 +3.00E+02

RUN OMSTDS4  
 ambient temp. = 58 deg. F  
 time = 120 days

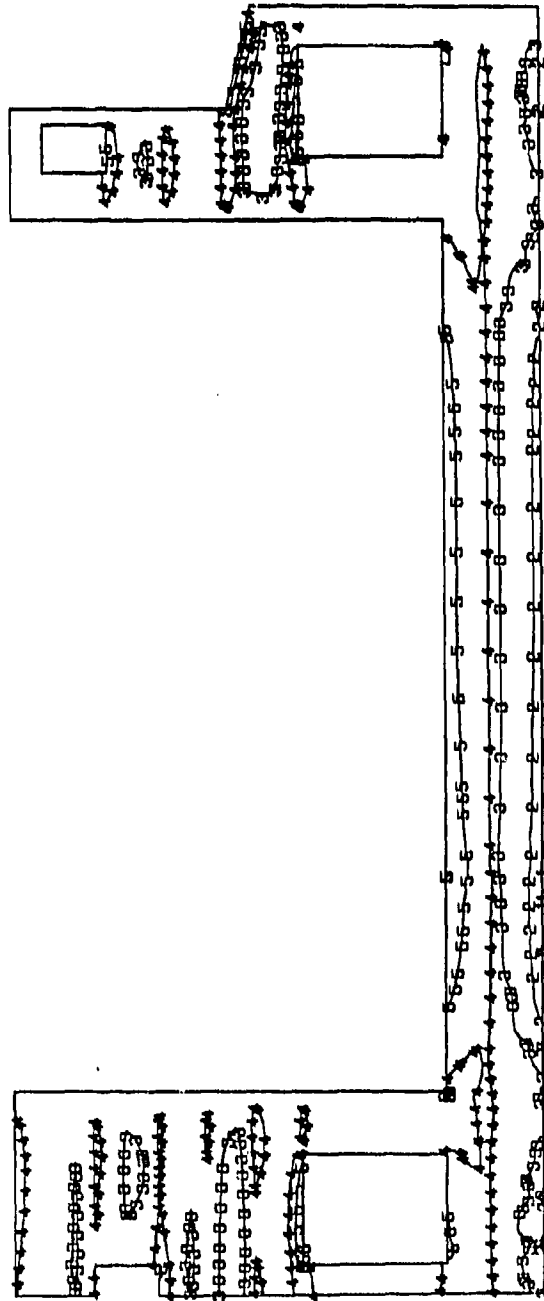


WFRAME 2-D GRID, SUMMER START, PL STRS, L119

TIME CONVERGED IN THIS STEP +3.000E+03 TOTAL ACCUMULATED TIME +1.156E+02 STEP 81 INCREMENT 5

-2.00E+02  
-1.20E+02  
-3.99E+01  
+4.00E+01  
+1.20E+02  
+2.00E+02

RUN OMSTD54  
ambient temp. = 52 deg. F  
time = 133 days



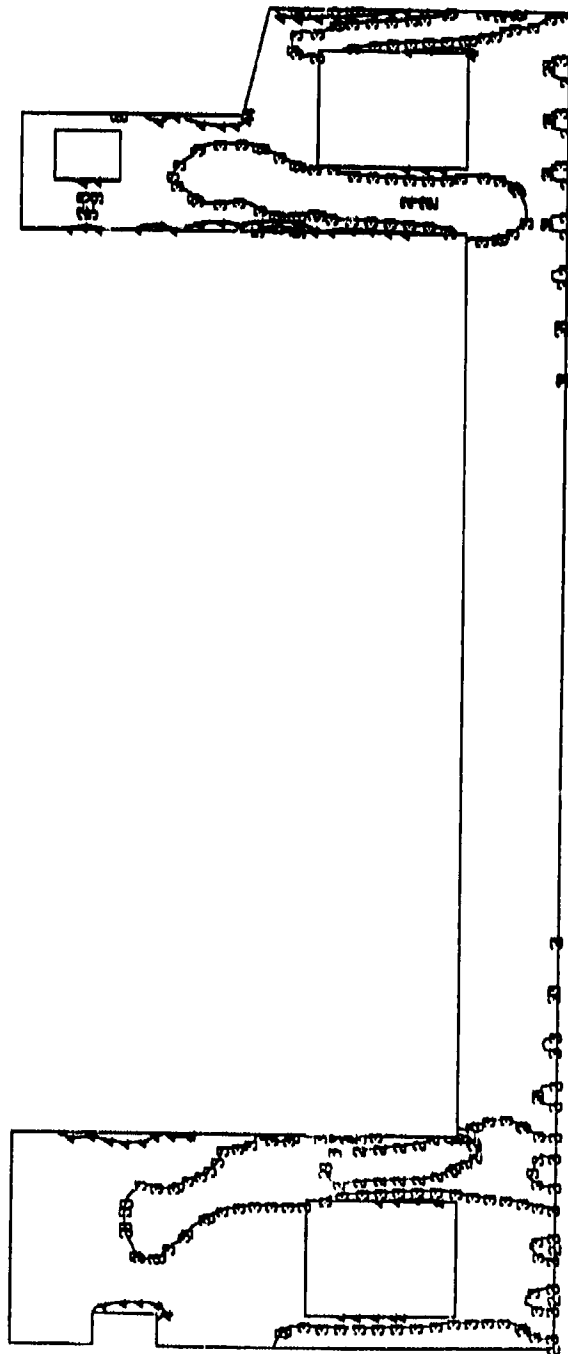
WFRAME 2-D GRID, SUMMER START, PL STRS, L119

TIME COMPLETED IN THIS STEP	+1.300E+01	TOTAL ACCUMULATED TIME	+1.325E+02	STEP 82	INCREMENT 13

S22  
VALUE

1	-2.00E+02
2	-1.20E+02
3	-3.95E+01
4	+4.00E+01
5	+1.20E+02
6	+2.00E+02

RUN OMSTDS4  
ambient temp. = 52 deg. F  
time = 133 days



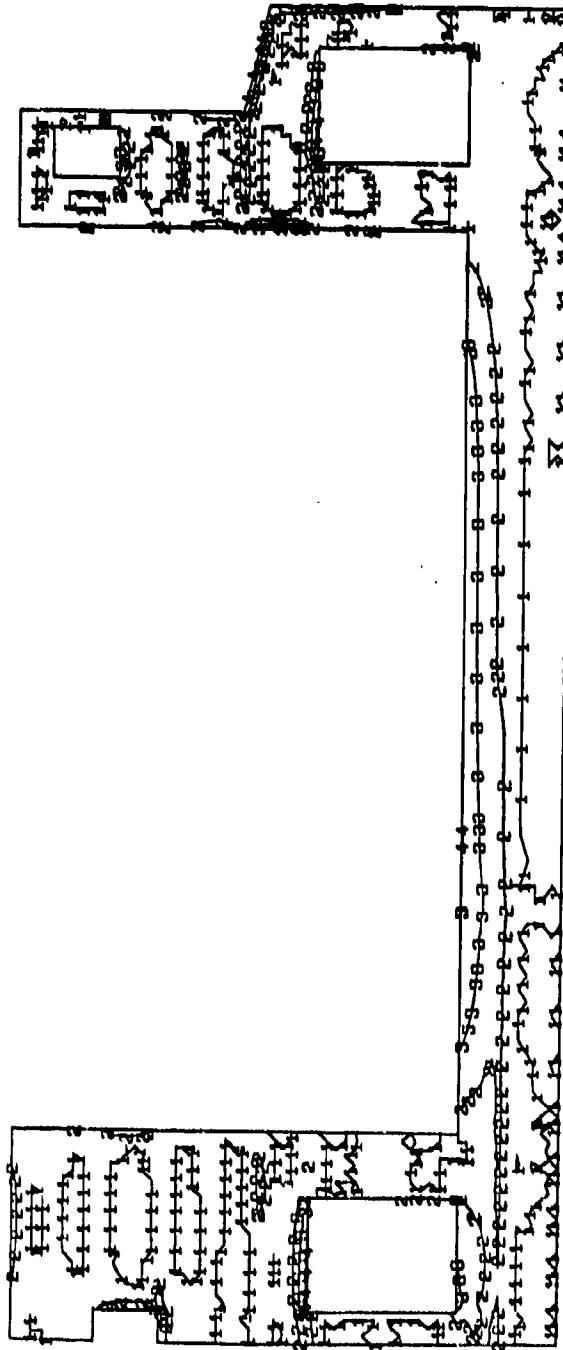
WFRAME 2-D GRID, SUMMER START, PL STRS, L119

TIME COMPLETED IN THIS STEP +1.300E+01    TOTAL ACCUMULATED TIME +1.325E+02    STEP 82 INCREMENT 13

PRINT  
VALUE

1 +6.00E-05  
2 +6.00E+01  
3 +1.20E+02  
4 +1.80E+02  
5 +2.40E+02  
6 +3.00E+02

RUN OMSTD34  
ambient temp. = 52 deg. F  
time = 133 days



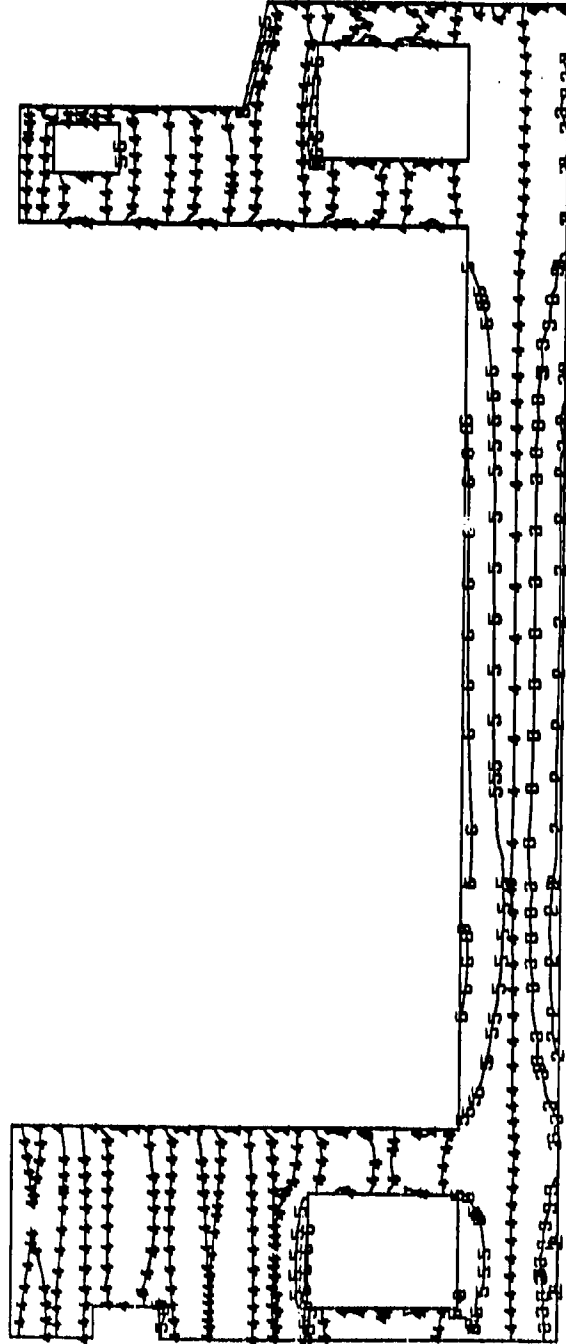
WFRAME 2-D GRID, SUMMER START, PL STRS, L119

TIME COMPLETED IN THIS STEP +1.300E+01 TOTAL ACCUMULATED TIME +1.325E+02 STEP 82 INCREMENT 13

311  
VALUE

1 -3.00E+02  
2 -2.00E+02  
3 -9.99E+01  
4 +1.00E+04  
5 +1.00E+02  
6 +2.00E+02

RUN OMSTDS4  
ambient temp. = 36.5 deg. F  
time = 184 days



E54

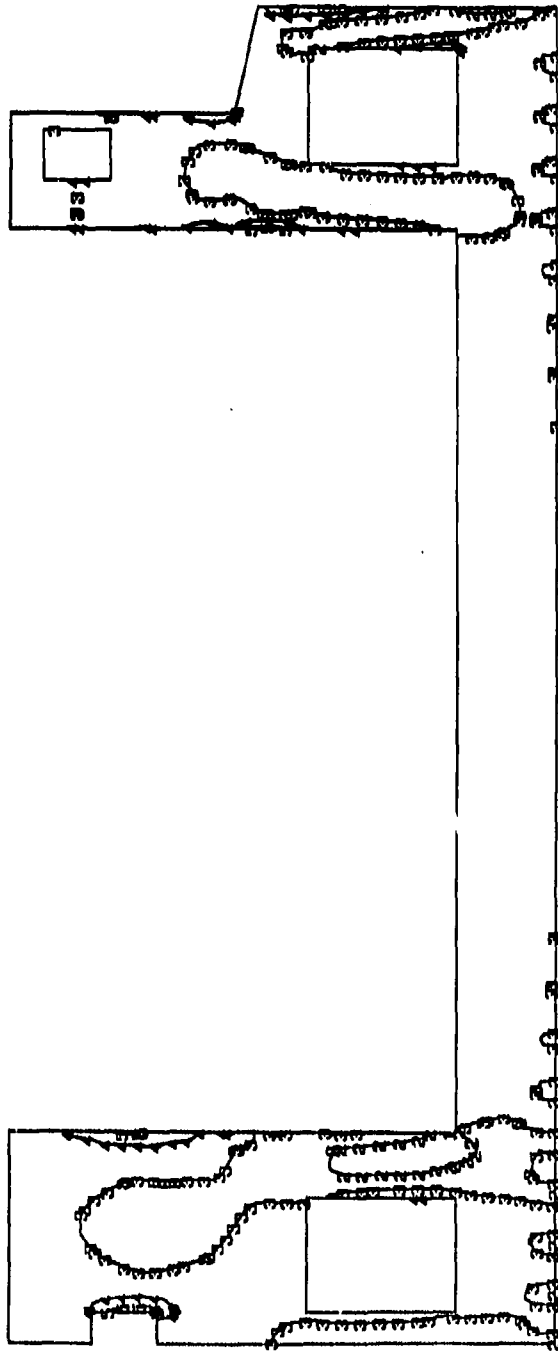
1  
WFRAME 2-D GRID, SUMMER START, PL STRS, L119

TIME COMPLETED IN THIS STEP +5.000E+01 TOTAL ACCUMULATED TIME +1.855E+02 STEP 84 INCREMENT 25

322  
VALUE

1	-2.00E+02
2	-1.20E+02
3	-3.99E+01
4	+4.00E+01
5	+1.20E+02
6	+2.00E+02

RUN OMSTDS4  
ambient temp. = 36.5 deg. F  
time = 184 days



E55

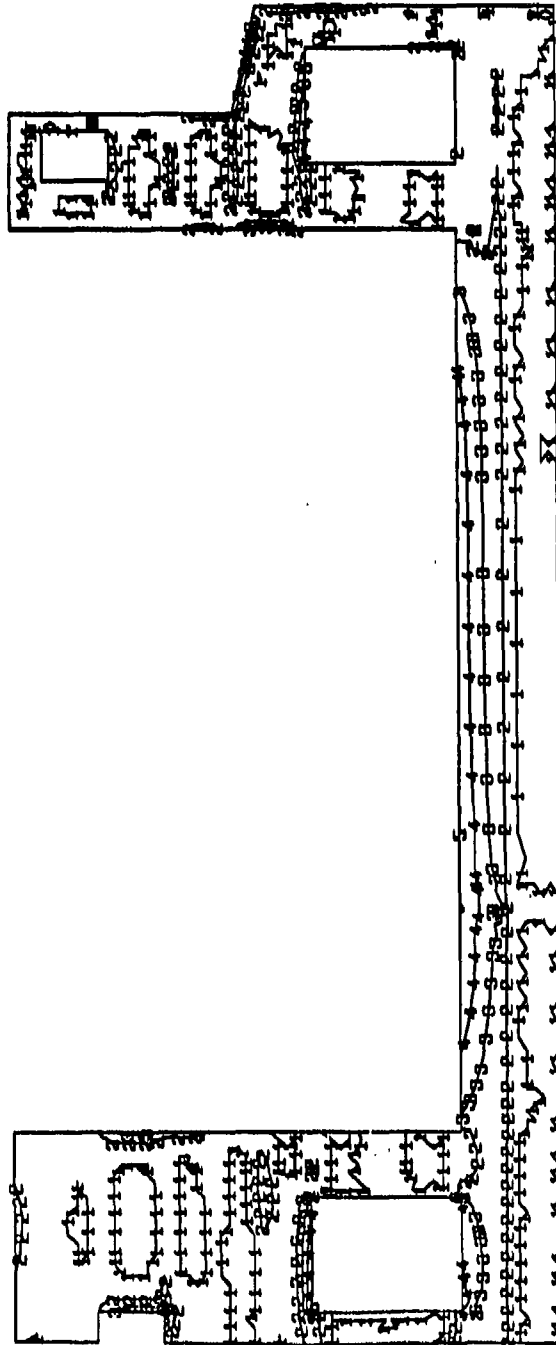
1  
WFRAME 2-D GRID, SUMMER START, PL STRS, L119

TIME COMPLETED IN THIS STEP +5.000E+01 TOTAL ACCUMULATED TIME +1.835E+02 STEP 84 INCREMENT 25

PRINT3  
VALUE

1	+6.00E-05
2	+6.00E+01
3	+1.20E+02
4	+1.80E+02
5	+2.40E+02
6	+3.00E+02

RUN CMSTDS4  
ambient temp. = 36.5 deg. F  
time = 184 days



E56

1  
WFRAME 2-D GRID, SUMMER START, PL STRS, L119

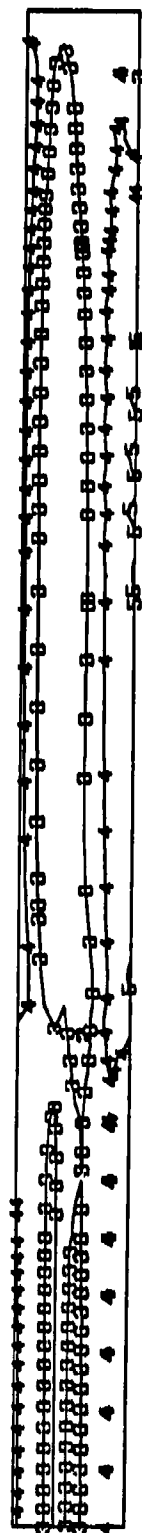
TIME COMPLETED IN THIS STEP +5.000E+01 TOTAL ACCUMULATED TIME +1.835E+02 STEP 84 INCREMENT 25



S:1  
VALUE

1 -1.00E+02  
2 -6.00E+01  
3 -1.99E+01  
4 +2.00E+01  
5 +6.07E+01  
6 +1.00E+02

RUN OMSTDS4A  
ambient temp. = -79 deg. F  
time = 30 days



E57

1

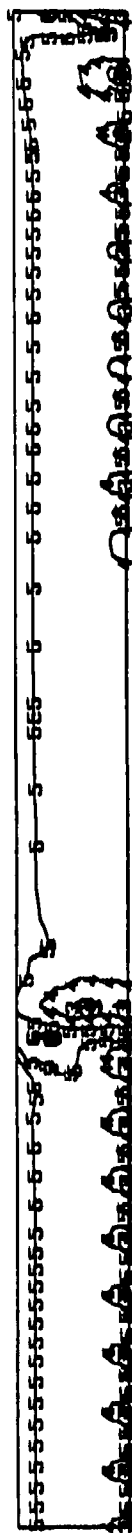
WFRAME 2-D GRID, SUMMER START,

L1\_4

TIME COMPLETED IN THIS STEP +1.000E+01 TOTAL ACCUMULATED TIME +2.950E+01 STEP 16 INCREMENT 10

**VALUE**

RUN 04STD5A  
ambient temp. = 79 deg. F  
time = 30 days



**L1\_4**

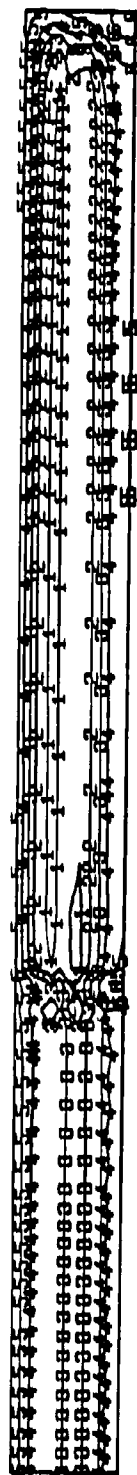
WFRAME 2-D GRID, SUMMER START,

TIME COMPLETED IN THIS STEP	+1.000E+01	TOTAL ACCUMULATED TIME	+2.950E+01	STEP 16 INCREMENT 10

E53  
VALUE

1	-4.00E+01
2	-1.99E+01
3	+2.00E-05
4	+2.00E+01
5	+4.00E+01
6	+6.00E+01

RUN CMSTDS4A  
ambient temp. = 79 deg. F  
time = 30 days



E59

1

WFRAME 2-D GRID, SUMMER START,

L1\_4

TIME COMPLETED IN THIS STEP +1.000E+01 TOTAL ACCUMULATED TIME +2.950E+01 STEP 16 INCREMENT 10

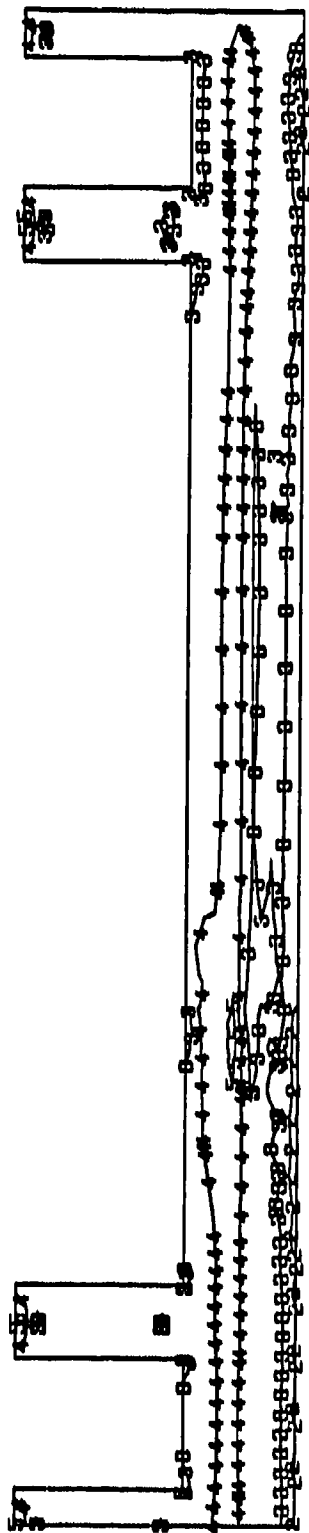
S11  
VALUE

1 -1.00E+02  
2 -6.00E+01  
3 -1.99E+01  
4 +2.00E+01  
5 +6.00E+01  
6 +1.00E+02

RUN OMSTDS4A

ambient temp. = 75.7 deg. F

time = 65 days



E60

1

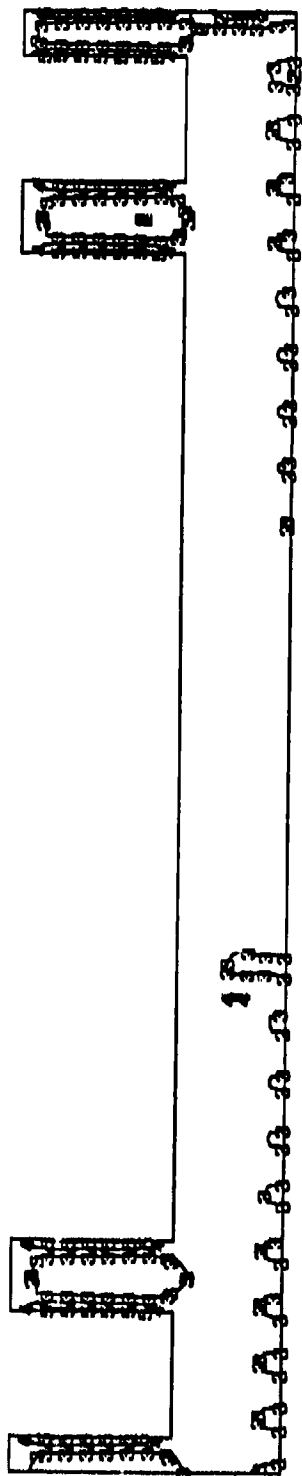
FRAME 2-D GRID, SUMMER START, L1\_8

TIME COMPLETED IN THIS STEP +1.600E+01 TOTAL ACCUMULATED TIME +6.450E+01 STEP 33 INCREMENT 15

522  
VALUE

1	-1.00E+02
2	-6.00E+01
3	-1.99E+01
4	+2.00E+01
5	+6.00E+01
6	+1.00E+02

RUN OMSTDS4A  
ambient temp. = 75.7 deg. F  
time = 65 days



E61



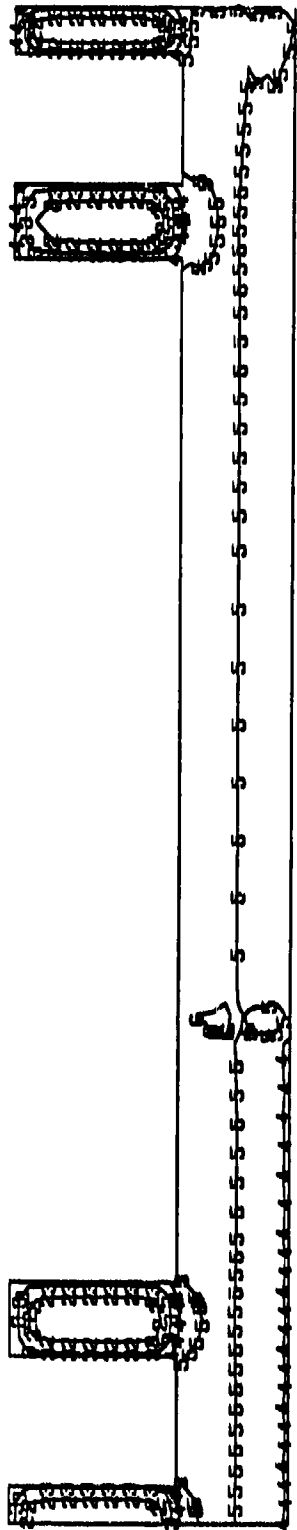
WFRAME 2-D GRID, SUMMER START, L1\_8

TIME COMPLETED IN THIS STEP +1.500E+01 TOTAL ACCUMULATED TIME +6.450E+01 STEP 33 INCREMENT 15

533  
VALUE

1 -1.00E+02  
2 -3.98E+01  
3 +2.00E+01  
4 +8.00E+01  
5 +1.40E+02  
6 +2.00E+02

RUN ONSTD54A  
ambient temp. = 75.7 deg. F  
time = 65 days



R62

1

WFRAME 2-D GRID, SUMMER START,

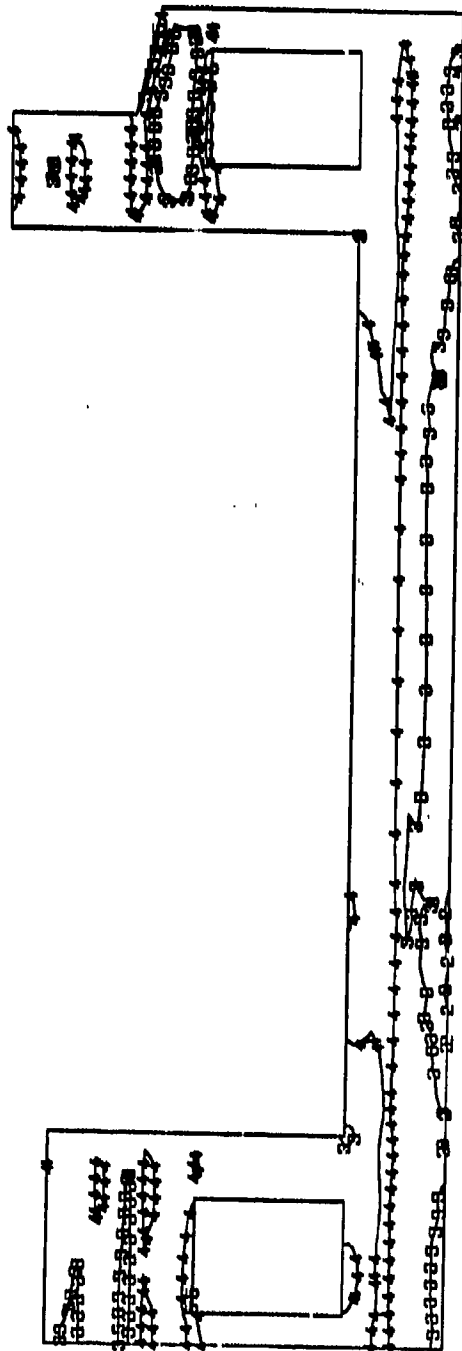
L1\_8

TIME COMPLETED IN THIS STEP +1.500E+01 TOTAL ACCUMULATED TIME +6.450E+01 STEP 33 INCREMENT 15

S11  
VALUE

1 -2.00E+02  
2 -1.20E+02  
3 -3.55E+01  
4 +4.00E+01  
5 +1.20E+02  
6 +2.00E+02

RUN OMSTDS4A  
ambient temp. = 67. deg. F  
time = 95 days



E63

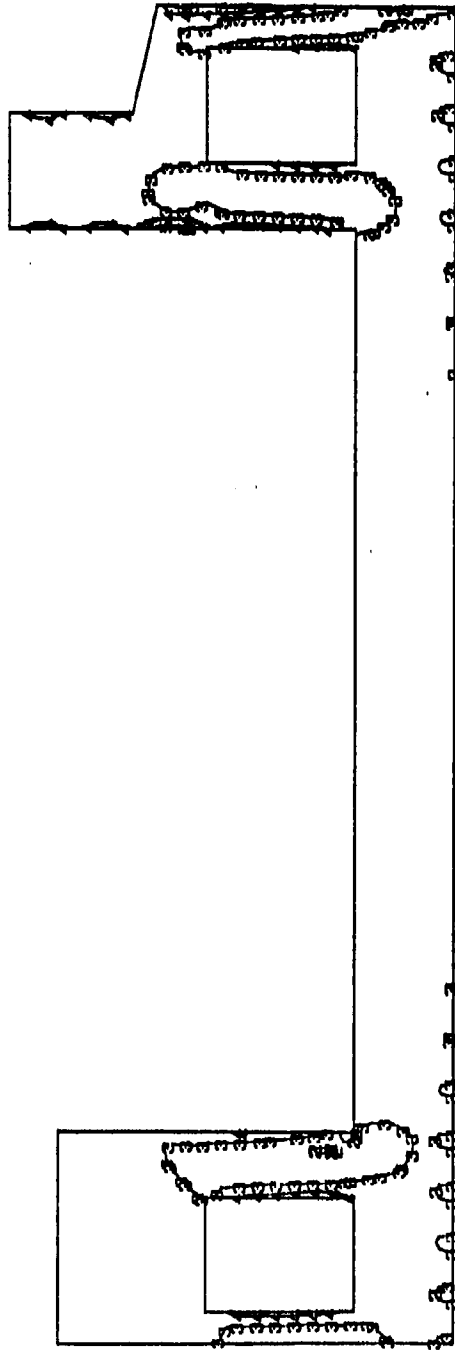
WFRAME 2-D GRID, SUMMER START, L114

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +5.450E+01 STEP 59 INCREMENT 5

322  
/VALUE

1 -2.00E+02  
2 -1.20E+02  
3 -3.59E+01  
4 +4.00E+01  
5 +1.20E+02  
6 +2.00E+02

RUN OMSTDS4A  
ambient temp. = 67 deg. F  
time = 95 days



E64

1  
WFRAME 2-D GRID, SUMMER START, PL STRS, L114

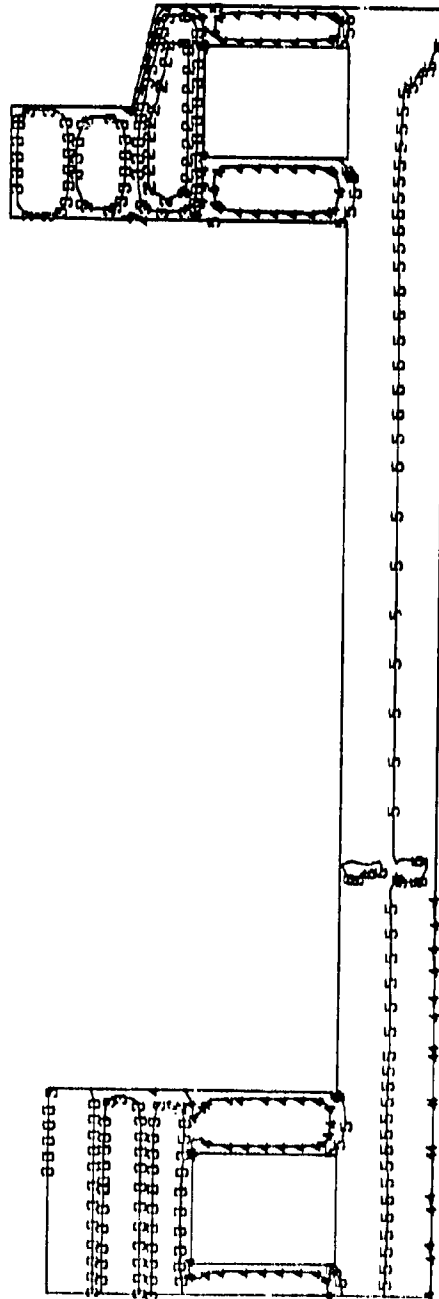
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.450E+01 STEP 59 INCREMENT 6



33  
AUE

-2.00E+02  
-9.99E+01  
+1.00E+04  
+1.00E+02  
+2.00E+02  
+3.00E+02

RUN ONSTD54A  
ambient temp. = 67 deg. F  
time = 95 days



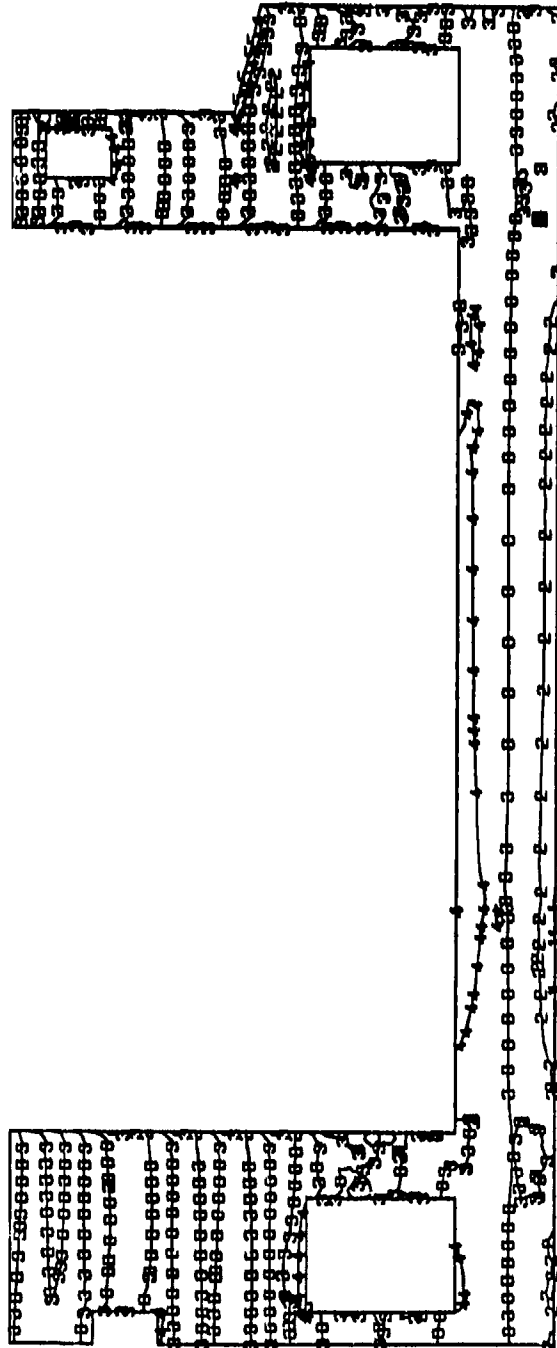
WFRAME 2-D GRID, SUMMER START, PL STRS, L114

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.450E+01 STEP 59 INCREMENT 6

S11  
VALUE

1 -2.00E+02  
2 -9.99E+01  
3 +1.00E-04  
4 +1.00E+02  
5 +2.00E+02  
6 +3.00E+02

RUN OMSTDS4A  
ambient temp. = 58. deg. F  
time = 120 days



1

WFRAME 2-D GRID, SUMMER START,

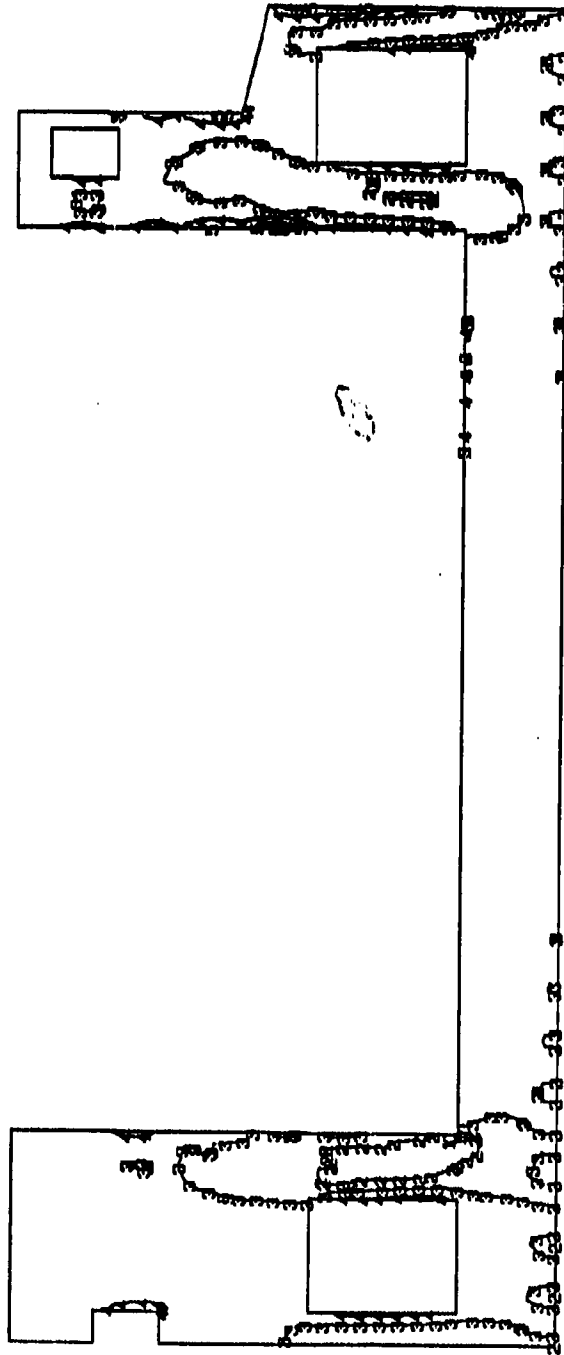
L119

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.195E+02 # STEP 81 INCREMENT 6

S22  
VALUE

1	-2.00E+02
2	-1.20E+02
3	-3.99E+01
4	+4.00E+01
5	+1.20E+02
6	+2.00E+02

RUN OMSTDS4A  
ambient temp. = 58 deg. F  
time = 120 days



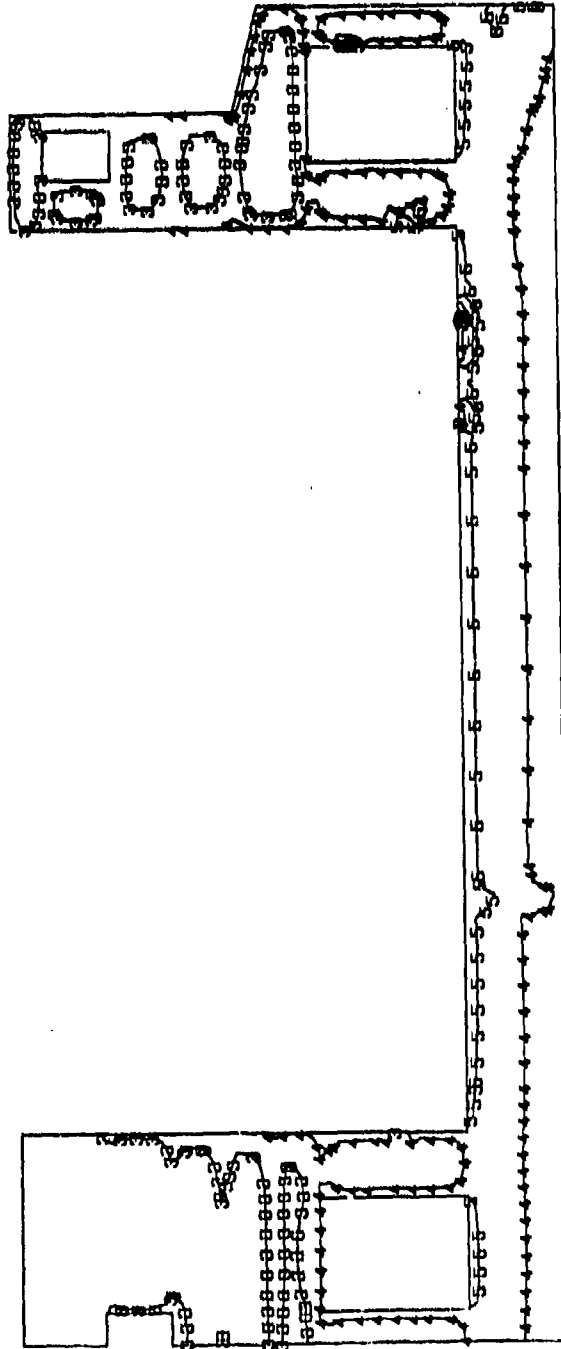
1  
WFRAME 2-D GRID, SUMMER START, L119

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.195E+02 STEP 81 INCREMENT 5

S33  
VALUE

1	-3.00E+02
2	-1.15E+02
3	+6.00E+01
4	+2.40E+02
5	+4.20E+02
6	+6.00E+02

RUN OMSTDS4A  
ambient temp. = 58 deg. F  
time = 120 days

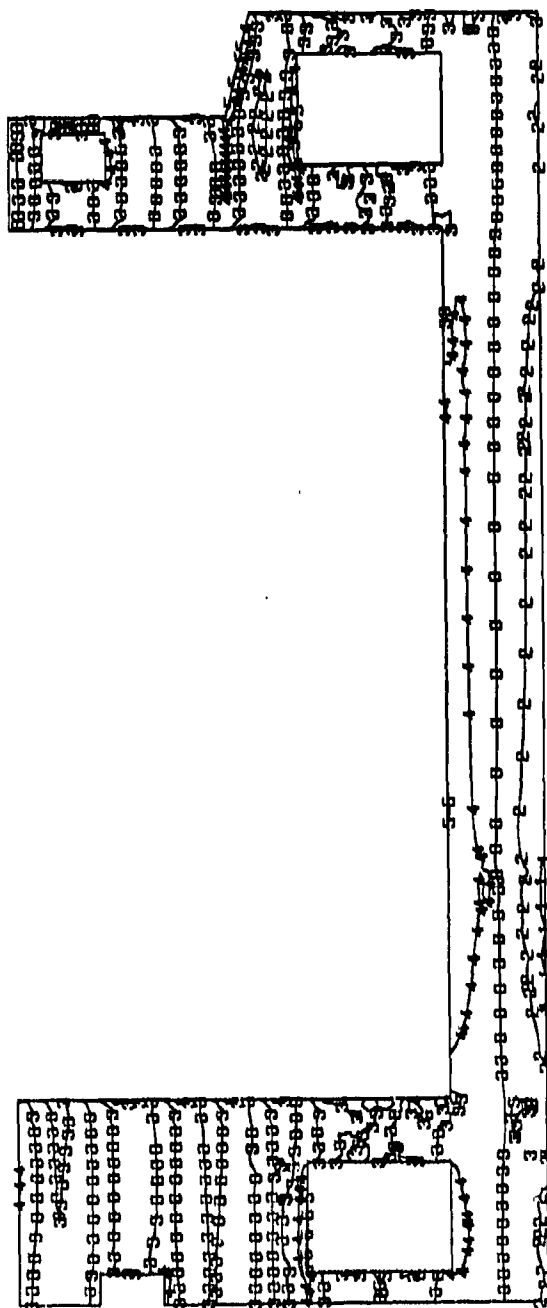


WFRAME 2-D GRID, SUMMER START, L119  
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.195E+02 STEP 81 INCREMENT 5

S11  
VALUE

- 1 -2.00E+02
- 2 -9.99E+01
- 3 +1.00E-04
- 4 +1.00E+02
- 5 +2.00E+02
- 6 +3.00E+02

RUN OMSTDS4A  
ambient temp. = 52 deg. F  
time = 133 days



WFRAME 2-D GRID, SUMMER START.

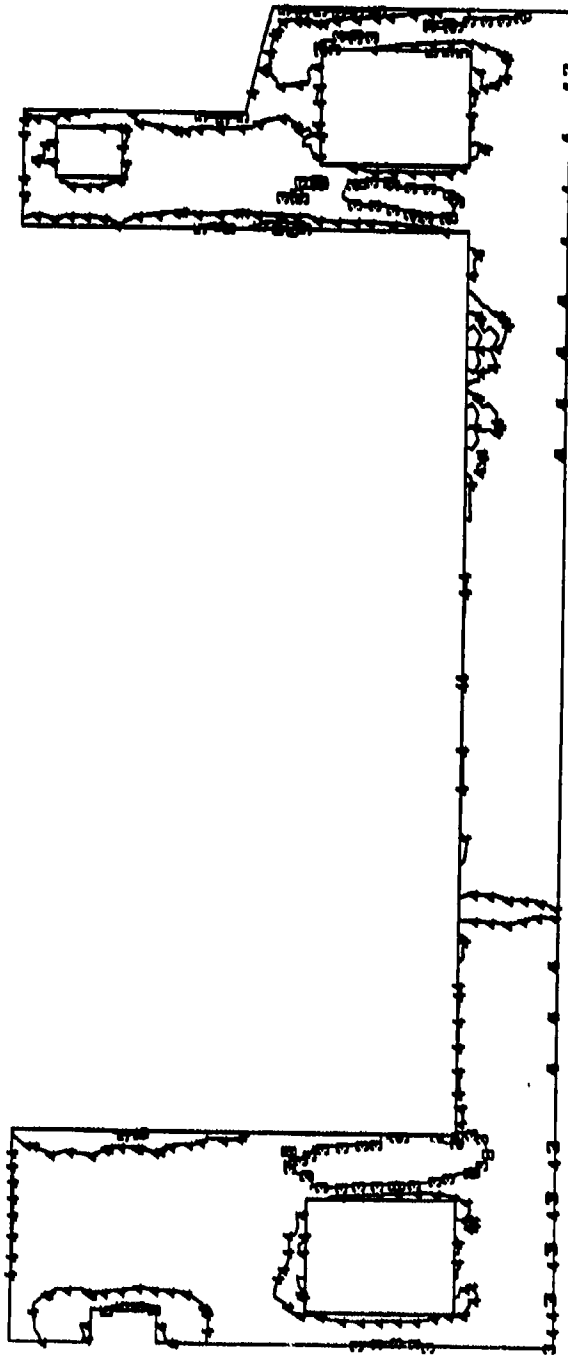
L119

TIME COMPLETED IN THIS STEP +1.300E+01 TOTAL ACCUMULATED TIME +1.325E+02 STEP 52 INCREMENT 13

S22  
VALUE

1	-3.00E+02
2	-2.00E+02
3	-9.99E+01
4	+1.00E-04
5	+1.00E+02
6	+2.00E+02

RUN OMSTDS4A  
ambient temp. = 52. deg. F  
time = 133 days



E70

1

WFRAME 2-D GRID, SUMMER START, L119

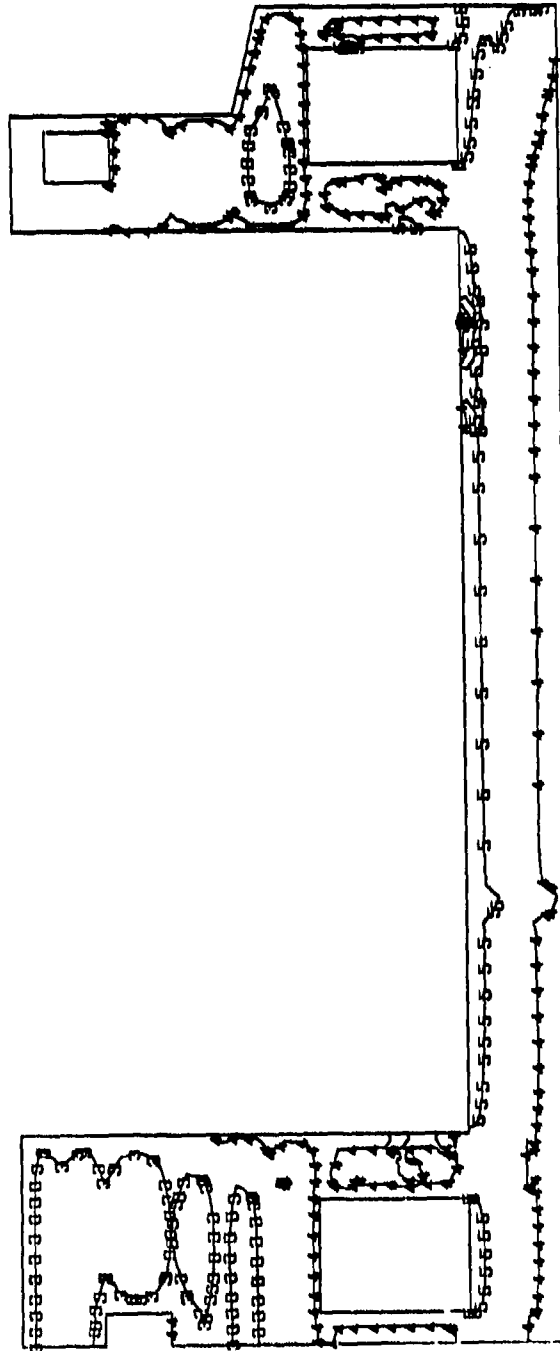
TIME COMPLETED IN THIS STEP +1.300E+01 TOTAL ACCUMULATED TIME +1.325E+02 STEP 82 INCREMENT 13

S33  
VALUE

1 -4.00E+02  
2 -1.75E+02  
3 +4.00E+01  
4 +2.60E+02  
5 +4.80E+02  
6 +7.00E+02

RUN 0651DS4A

ambient temp. = 52 deg. F  
time = 153 days



E71

WFRAME 2-D GRID, SUMMER START, L119

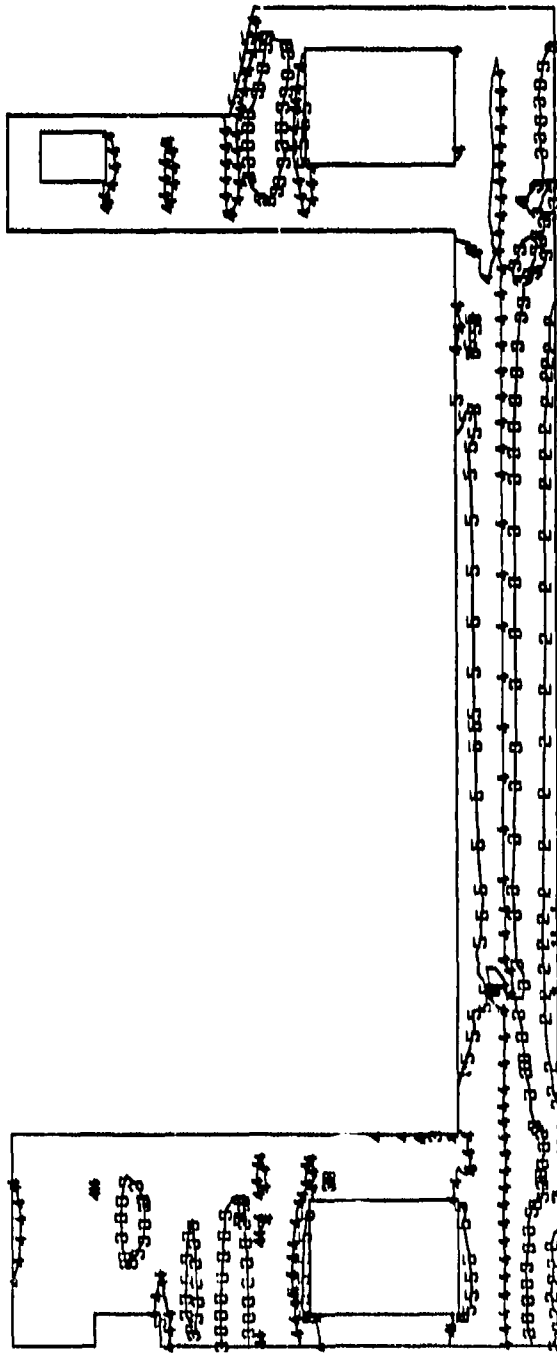
TIME COMPLETED IN THIS STEP +1.300E+01 TOTAL ACCUMULATED TIME +1.325E+02 STEP 82 INCIDENT 13

S11

VALUE

1 -3.00E+02  
2 -1.80E+02  
3 -5.93E+01  
4 +6.00E+01  
5 +1.80E+02  
6 +3.00E+02

RUN OMSTDS4A  
ambient temp. = 36.5 deg. F  
time = 184 days



E72

WFRAME 2-D GRID, SUMMER START, L119

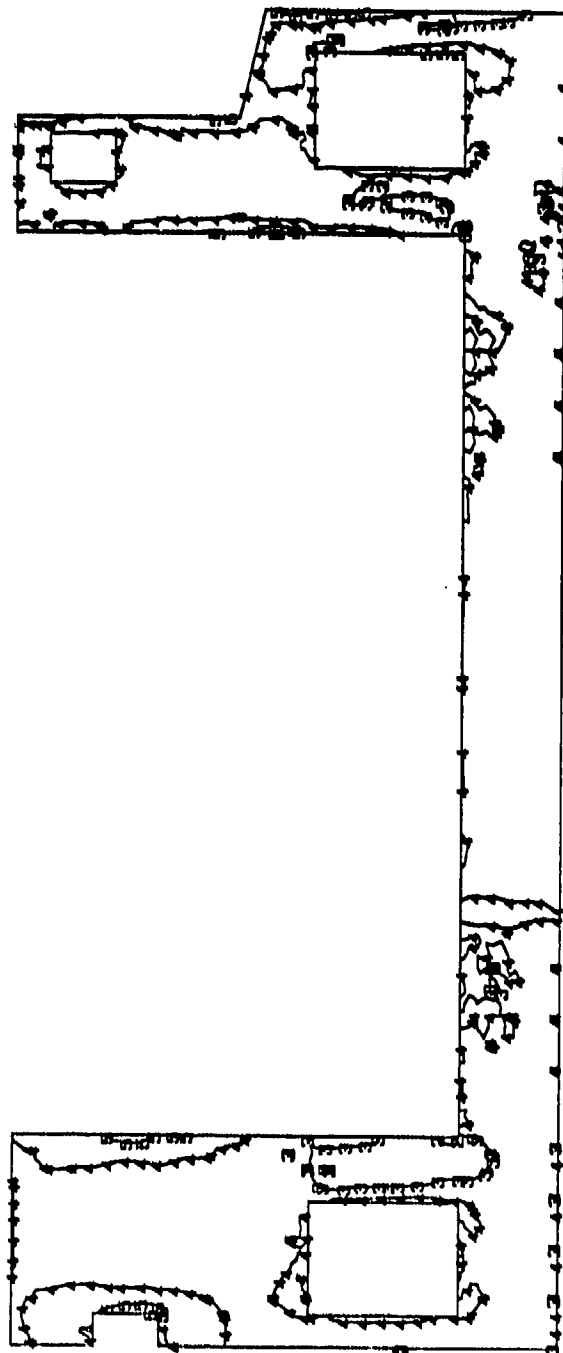
TIME COMPLETED IN THIS STEP +5.000E+01 TOTAL ACCUMULATED TIME +1.865E+02 STEP 84 INCREMENT 25



S22  
VALUE

1	-3.00E+02
2	-2.00E+02
3	-9.99E+01
4	+1.00E-04
5	+1.00E+02
6	+2.00E+02

RUN OMSTDS4A  
ambient temp. = 36.5 deg. F  
time = 184 days



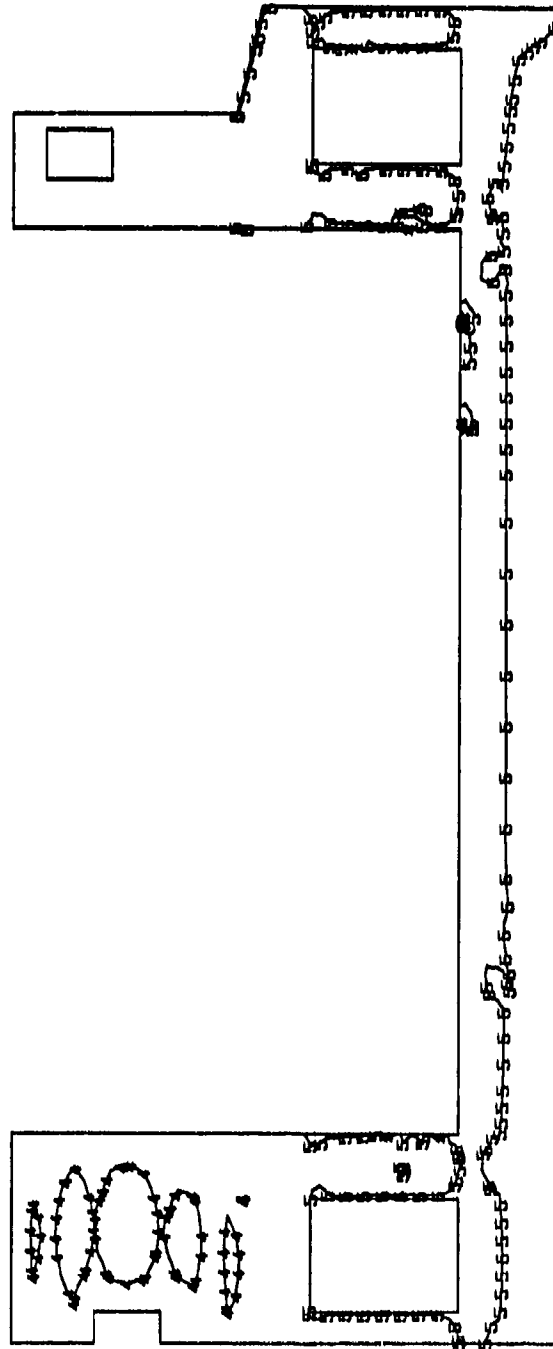
WFRAME 2-D GRID, SUMMER START, L119

TIME COMPLETED IN THIS STEP +5.000E+01 TOTAL ACCUMULATED TIME +1.855E+02 STEP 84 INCREMENT 25

S33  
VALUE

1	-1.00E+03
2	-6.00E+02
3	-1.99E+02
4	+2.00E+02
5	+6.00E+02
6	+1.00E+03

RUN OMSTD54A  
ambient temp. = 36.5 deg. F  
time = 184 days



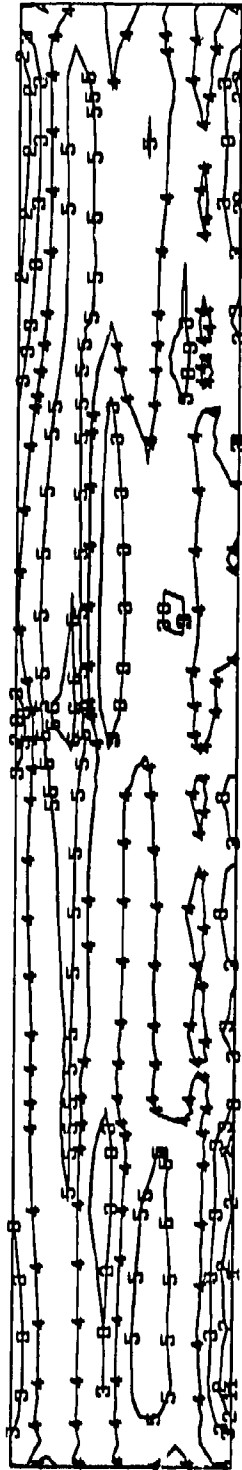
WFRAME 2-D GRID, SUMMER START, L119

TIME COMPLETED IN THIS STEP +5.000E+01 TOTAL ACCUMULATED TIME +1.835E+02 STEP 84 INCREMENT 25

S11  
VALUE

1 -6.00E+01  
2 -4.00E+01  
3 -1.99E+01  
4 +2.00E-05  
5 +2.00E+01  
6 +4.00E+01

RUN OMSTDS5  
ambient temp. = 76 deg. F  
time = 63 days



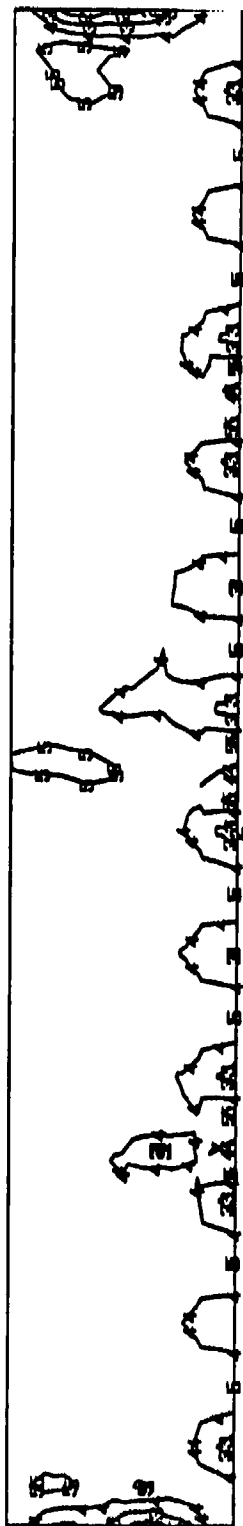
WFRAME 2-D GRID, SUMMER START, PL STAS, L17

TIME COMPLETED IN THIS STEP +2.800E+01 TOTAL ACCUMULATED TIME +6.250E+01 STEP 28 INCREMENT 14

S22  
VALUE

1	-6.00E+01
2	-4.40E+01
3	-2.80E+01
4	-1.19E+01
5	+4.00E+00
6	+2.00E+01

RUN OMSTDS5  
ambient temp. = 76 deg. F  
time = 63 days



E76

1

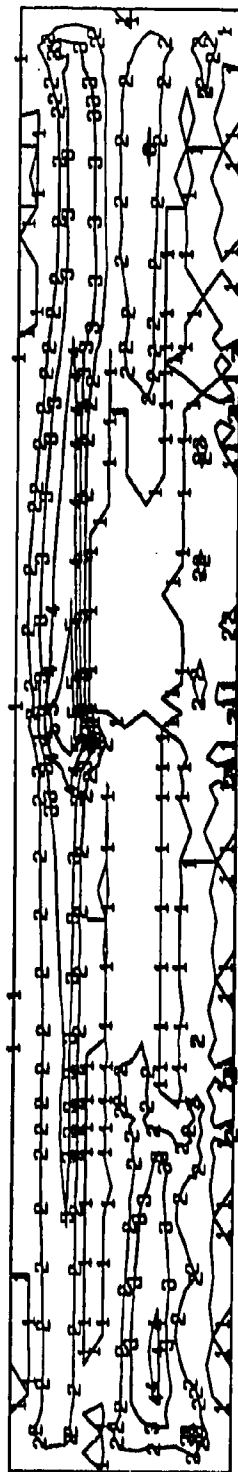
WFRAME 2-D GRID, SUMMER START, PL STRS, L1\_7

TIME COMPLETED IN THIS STEP +2.800E+01    TOTAL ACCUMULATED TIME +6.250E+01    STEP 28    INCREMENT 14

PHUNK  
VALUE

1 +1.00E-05  
2 +1.00E+01  
3 +2.00E+01  
4 +3.00E+01  
5 +4.00E+01  
6 +5.00E+01

RUN OMSTDSS  
ambient temp. = 76 deg. F  
time = 63 days



E77

1

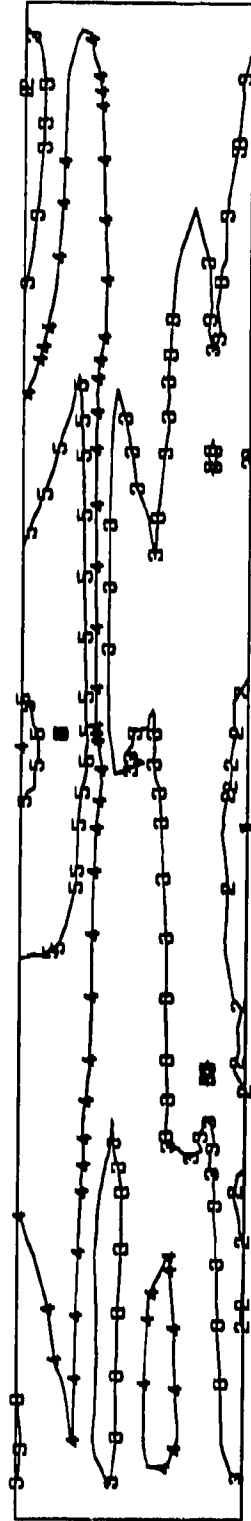
WFRAME 2-D GRID, SUMMER START, PL STRS, L17

TIME COMPLETED IN THIS STEP +2.800E+01 TOTAL ACCUMULATED TIME +5.250E+01 STEP 28 INCREMENT 14

S11  
VALUE

1 -1.00E+02  
2 -5.00E+01  
3 -1.99E+01  
4 +2.00E+01  
5 +6.00E+01  
6 +1.00E+02

RUN OMSTDSS  
ambient temp. = 52 deg. F  
time = 133 days



E78

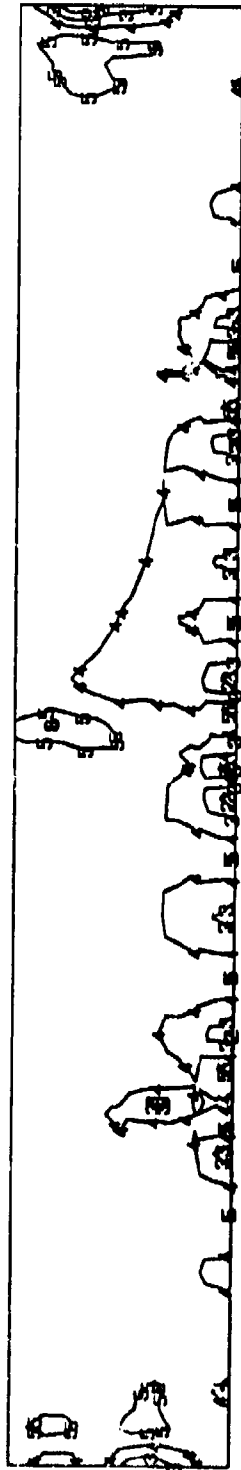
WFRAME 2-D GRID, SUMMER START, PL STRS, L17

TIME COMPLETED IN THIS STEP +9.800E+01 TOTAL ACCUMULATED TIME +1.325E+02 STEP 28 INCREMENT 49

S22  
VALUE

1 -6.00E+01  
2 -4.40E+01  
3 -2.80E+01  
4 -1.19E+01  
5 +4.00E+00  
6 +2.00E+01

RUN OMSTDSS  
ambient temp. = 52 deg. F  
time = 133 days



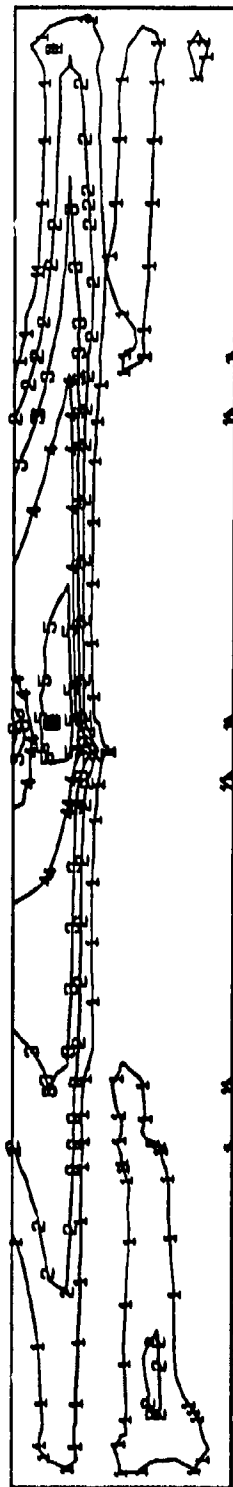
WFRAME 2-D GRID, SUMMER START, PL STRS, L1\_7

TIME COMPLETED IN THIS STEP +9.800E+01 TOTAL ACCUMULATED TIME +1.325E+02 STEP 28 INCREMENT 49

PRINT  
VALUE

1	+1.00E+01
2	+2.80E+01
3	+4.60E+01
4	+6.40E+01
5	+8.20E+01
6	+1.00E+02

RUN OMSTDSS  
ambient temp. = 52 deg. F  
time = 133 days



E80

1

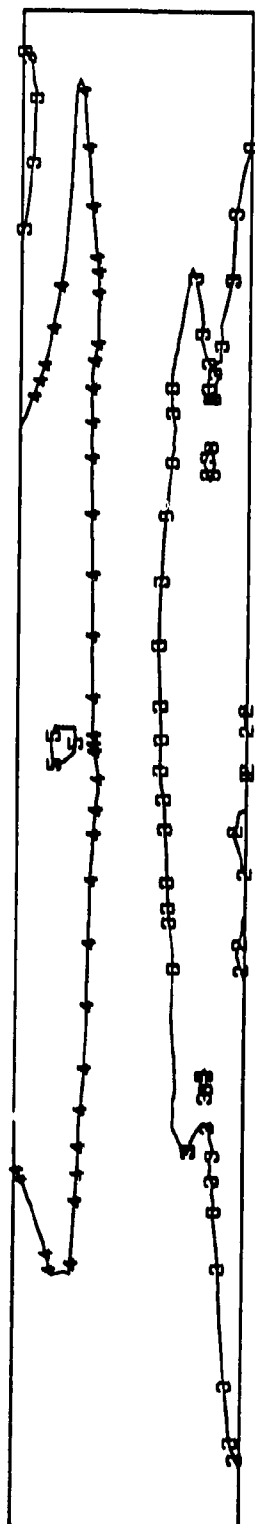
WFRAME 2-D GRID, SUMMER START, PL STRS, L17

TIME COMPLETED IN THIS STEP +9.800E+01 TOTAL ACCUMULATED TIME +1.325E+02 STEP 28 INCREMENT 49



RUN OMSTDSS  
 ambient temp. = 36.5 deg. F  
 time = 183 days

511  
 VALUE  
 1 -2.00E+02  
 2 -1.20E+02  
 3 -3.99E+01  
 4 +4.00E+01  
 5 +1.20E+02  
 6 +2.00E+02



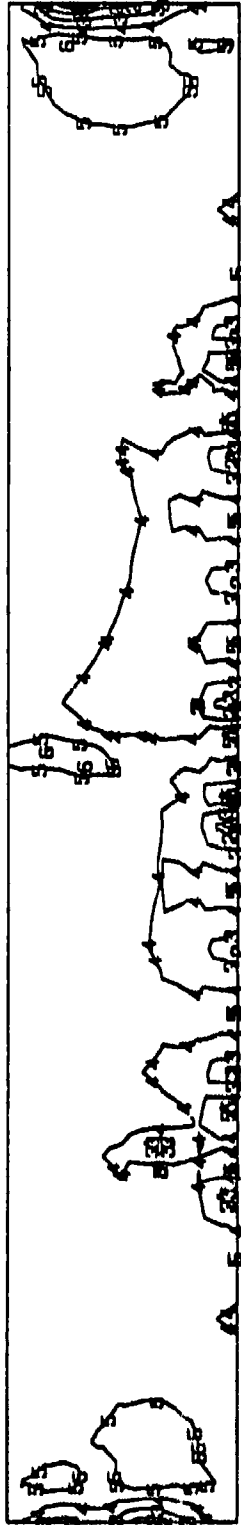
WFRAME 2-D GRID, SUMMER START, PL STRS, L1\_7

TIME COMPLETED IN THIS STEP +5.00E+01 TOTAL ACCUMULATED TIME +1.825E+02 STEP 29 INCREMENT 25

S22  
VALUE

1	-6.00E+01
2	-4.40E+01
3	-2.80E+01
4	-1.19E+01
5	+4.00E+00
6	+2.00E+01

RUN OMSTDS5  
ambient temp. = 36.5 deg. F  
time = 183 days



E82

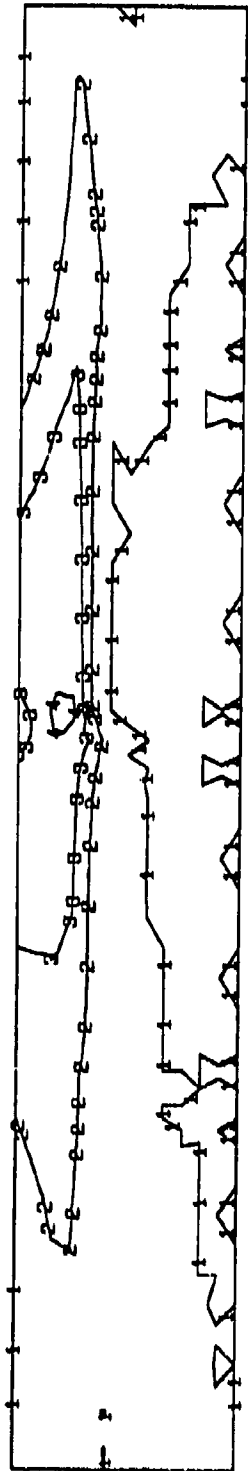
WFRAME 2-D GRID, SUMMER START, PL STRS, L1\_7

TIME COMPLETED IN THIS STEP +5.000E+01 TOTAL ACCUMULATED TIME +1.825E+02 STEP 29 INCREMENT 25

PRINT  
VALUE

1 +4.00E-05  
2 +4.00E+01  
3 +8.00E+01  
4 +1.20E+02  
5 +1.60E+02  
6 +2.00E+02

RUN ONSTD55  
ambient temp. = 36.5 deg. F  
time = 183 days



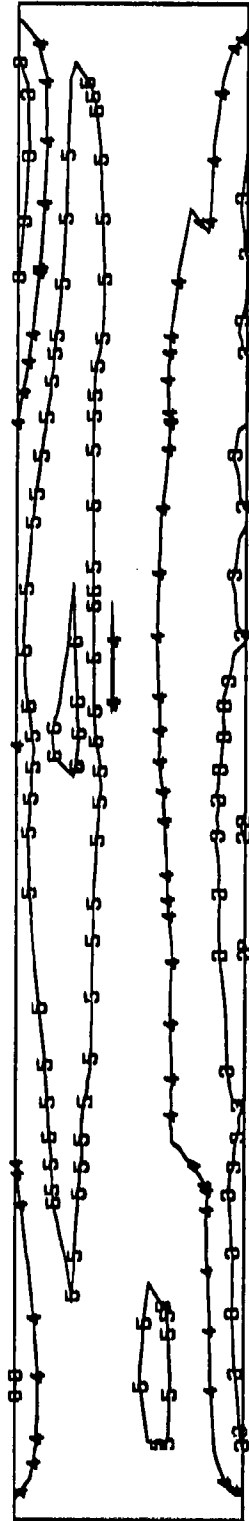
WFRAME 2-D GRID, SUMMER START, PL STRS, L17

TIME COMPLETED IN THIS STEP +5.000E+01 TOTAL ACCUMULATED TIME +1.825E+02 STEP 29 INCREMENT 25

S11  
VALUE

1 -2.00E+02  
2 -1.40E+02  
3 -8.00E+01  
4 -1.99E+01  
5 +4.00E+01  
6 +1.00E+02

RUN OMSTDS5  
ambient temp. = 36 deg. F  
time = 233 days



E84

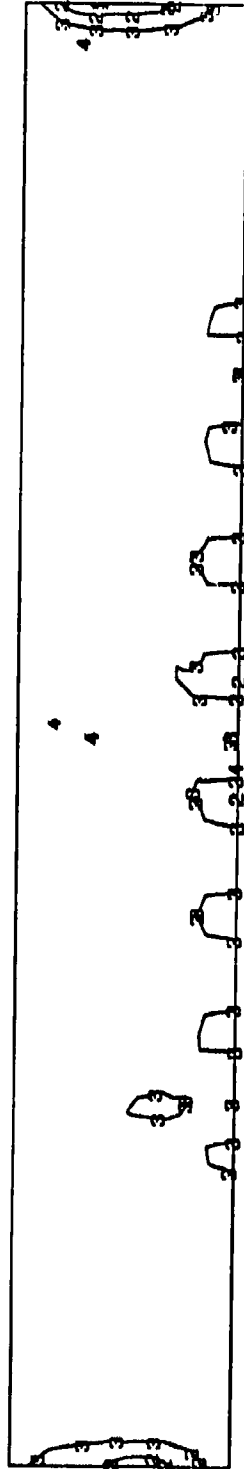
WFRAME 2-D GRID, SUMMER START, PL STRS, L1\_7

TIME COMPLETED IN THIS STEP +1.000E+02 TOTAL ACCUMULATED TIME +2.325E+02 STEP 29 INCREMENT 50

522  
VALUE

1	-1.00E+02
2	-6.00E+01
3	-1.99E+01
4	+2.00E+01
5	+6.00E+01
6	+1.00E+02

RUN OMSTDS5  
ambient temp. = 36 deg. F  
time = 233 days



E85

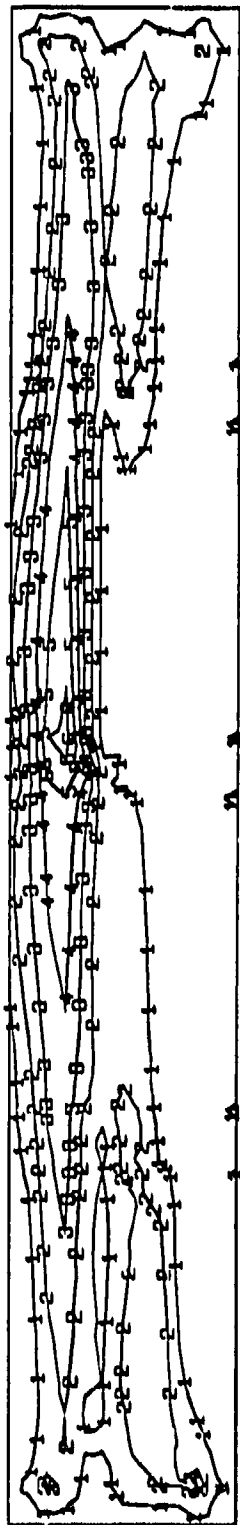
1  
WFRAME 2-D GRID, SUMMER START, PL STRS, L1\_7

TIME COMPLETED IN THIS STEP +1.000E+02    TOTAL ACCUMULATED TIME +2.325E+02    STEP 29    INCREMENT 50

PRINT  
VALUE

1 +1.00E+01  
2 +3.00E+01  
3 +5.00E+01  
4 +7.00E+01  
5 +3.00E+01  
6 +1.10E+02

RUN OMSTD55  
ambient temp. = 36 deg. F  
time = 233 days



E86

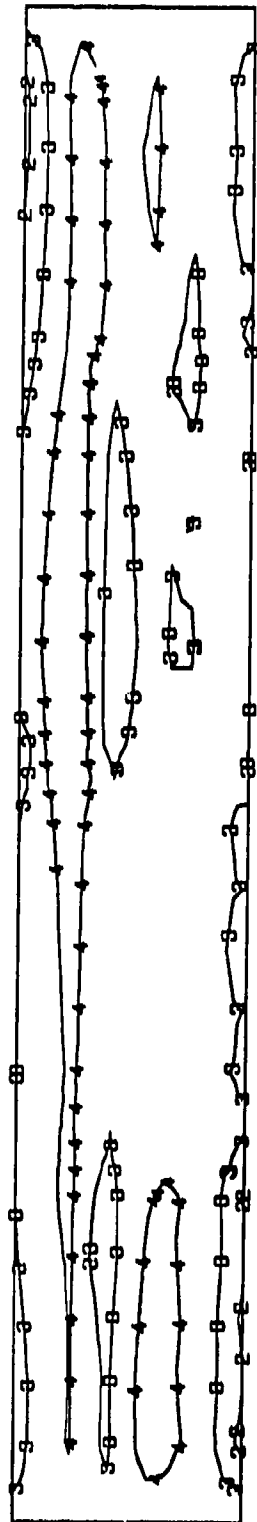
1  
WFRAME 2-D GRID, SUMMER START, PL STRS, L1\_7

TIME COMPLETED IN THIS STEP +1.000E+02 TOTAL ACCUMULATED TIME +2.325E+02 STEP 29 INCREMENT 50

S11  
VALUE

1	-1.00E+02
2	-6.00E+01
3	-1.99E+01
4	+2.00E+01
5	+6.00E+01
6	+1.00E+02

RUN OMSTDSSA  
ambient temp. = 76 deg. F  
time = 63 days



1

WFRAME 2-D GRID, SUMMER START, PL STRS, L1\_7

TIME COMPLETED IN THIS STEP +2.800E+01 TOTAL ACCUMULATED TIME +6.250E+01 STEP 28 INCREMENT 14

E22  
VALUE

1	-6.00E+01
2	-4.40E+01
3	-2.80E+01
4	-1.19E+01
5	+4.00E+00
6	+2.00E+01

RUN OMSTDSS5A  
ambient temp. = 76 deg. F  
time = 63 days



E88

1  
WFRAME 2-D GRID, SUMMER START, PL STRS, L1\_7

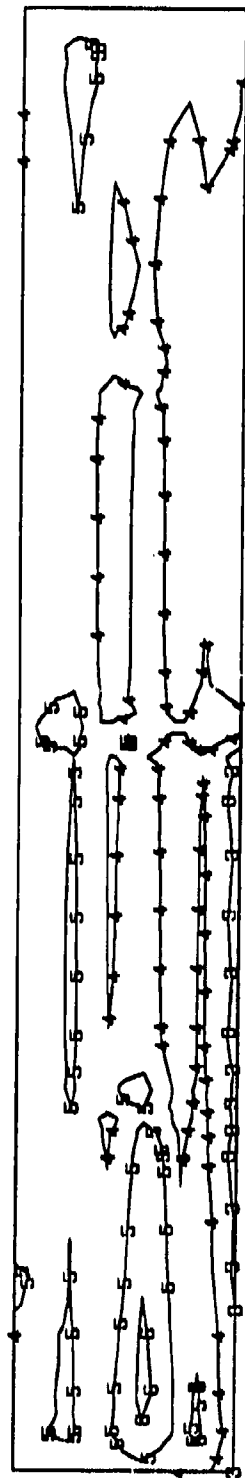
TIME COMPLETED IN THIS STEP +2.800E+01 TOTAL ACCUMULATED TIME +6.250E+01 STEP 28 INCREMENT 14



S33  
VALUE

1 +4.00E-05  
2 +4.00E+01  
3 +8.00E+01  
4 +1.20E+02  
5 +1.60E+02  
6 +2.00E+02

RUN OMSTD55A  
ambient temp. = 76 deg. F  
time = 63 days



E89

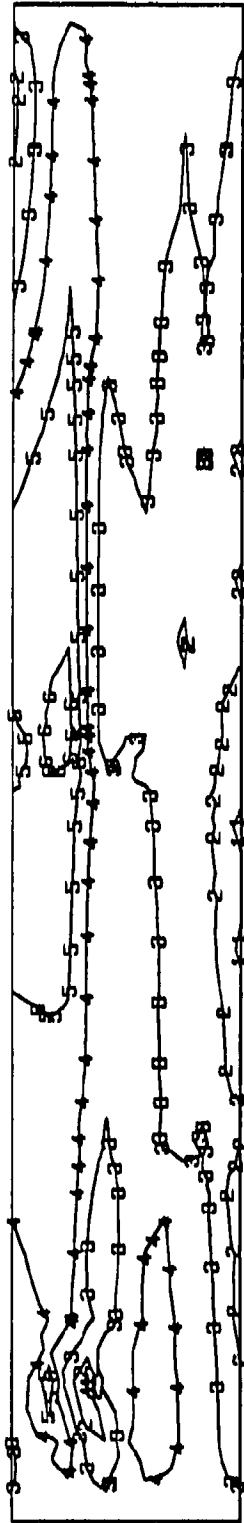
WFRAME 2-D GRID, SUMMER START, PL STRS, L1\_7

TIME CONVERGED IN THIS STEP +2.800E+01 TOTAL ACCUMULATED TIME +5.250E+01 STEP 28 INCREMENT 14

S11  
VALUE

1 -1.00E+02  
2 -6.00E+01  
3 -1.99E+01  
4 +2.00E+01  
5 +6.00E+01  
6 +1.00E+02

RUN OMSTDS5A  
ambient temp. = 52 deg. F  
time = 133 days



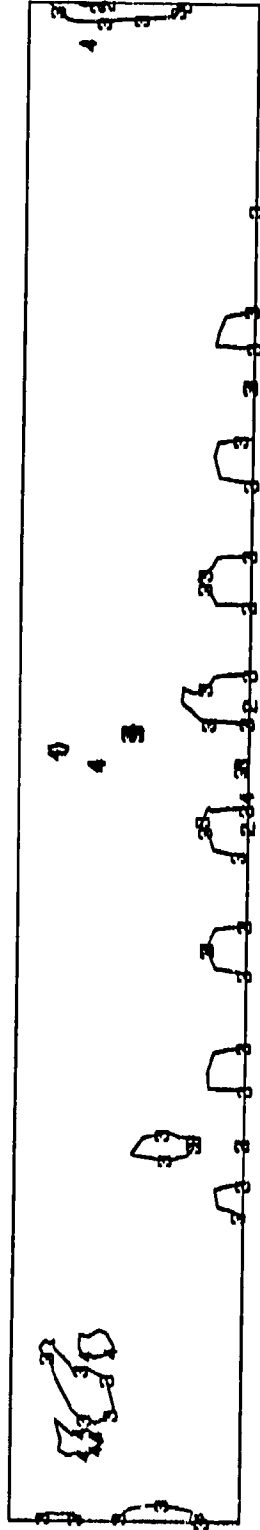
WFRAME 2-D GRID, SUMMER START, PL STRS. L1.7

TIME COMPLETED IN THIS STEP +9.800E+01 TOTAL ACCUMULATED TIME +1.325E+02 STEP 28 INCREMENT 49

S22  
VALUE

1 -1.00E+02  
2 -6.00E+01  
3 -1.99E+01  
4 +2.00E+01  
5 +6.00E+01  
6 +1.00E+02

RUN OMSTDS5A  
ambient temp. = 52 deg. F  
time = 133 days



E91

1

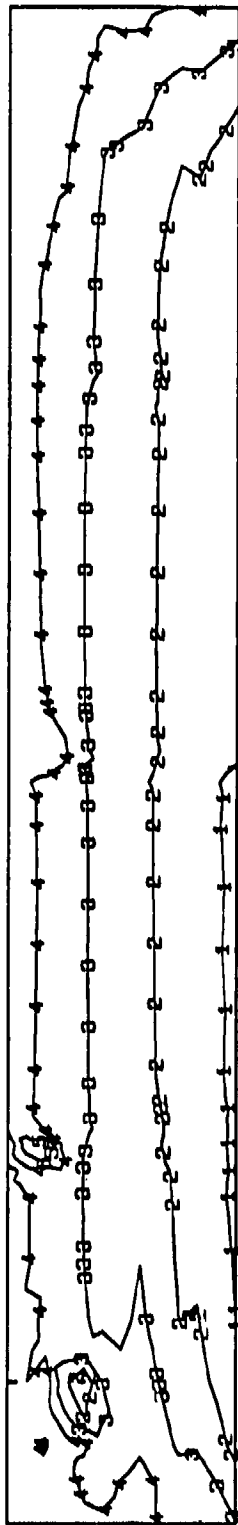
WFRAME 2-D GRID, SUMMER START, PL STRS, L1\_7

TIME COMPLETED IN THIS STEP +9.800E+01 TOTAL ACCUMULATED TIME +1.325E+02 STEP 28 INCREMENT 49

533  
VALUE

1 +2.00E+02  
2 +3.00E+02  
3 +4.00E+02  
4 +5.00E+02  
5 +6.00E+02  
6 +7.00E+02

RUN OMSTDS5A  
ambient temp. = 52 deg. F  
time = 133 days



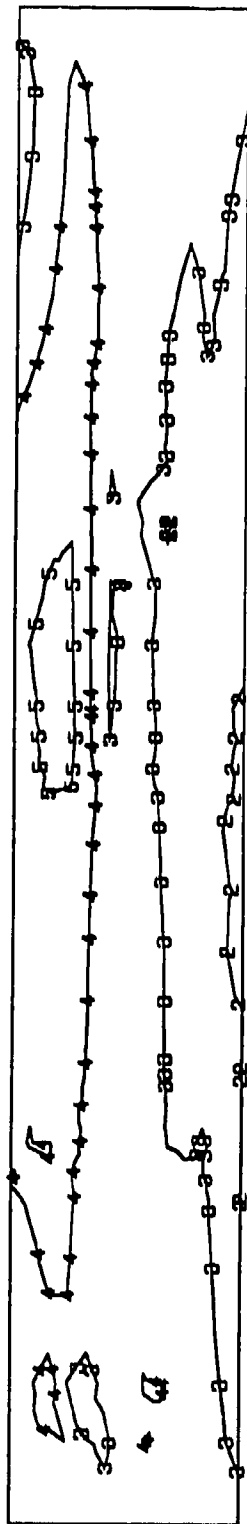
1  
WFRAME 2-D GRID, SUMMER START, PL STRS, L1\_7

TIME COMPLETED IN THIS STEP +9.800E+01 TOTAL ACCUMULATED TIME +1.325E+02 STEP 28 INCREMENT 49

S11  
VALUE

1 -2.00E+02  
2 -1.20E+02  
3 -3.99E+01  
4 +4.00E+01  
5 +1.20E+02  
6 +2.00E+02

RUN OMSTD55A  
ambient temp. = 36.5 deg. F  
time = 183 days



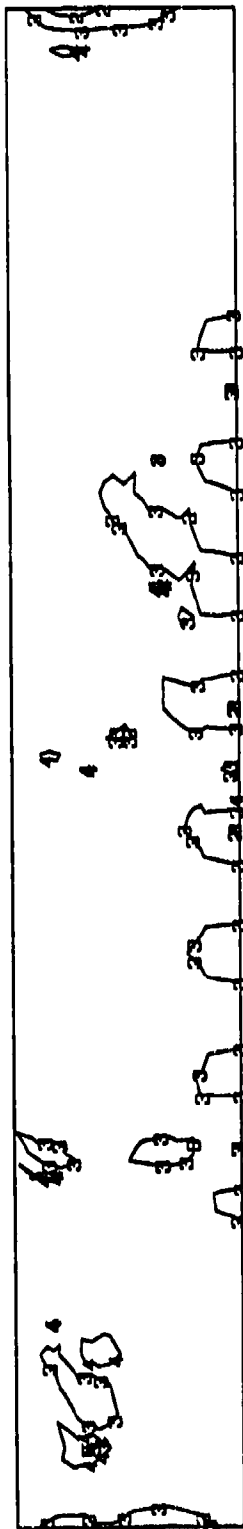
WFRAME 2-D GRID, SUMMER START, PL STRS, L1\_7

TIME COMPLETED IN THIS STEP +5.000E+01 TOTAL ACCUMULATED TIME +1.825E+02 STEP 29 INCREMENT 25

522  
VALUE

1 -1.00E+02  
2 -6.00E+01  
3 -1.99E+01  
4 +2.00E+01  
5 +6.00E+01  
6 +1.00E+02

RUN OMSTDSSA  
ambient temp. = 36.5 deg. F  
time = 163 days



E94

1

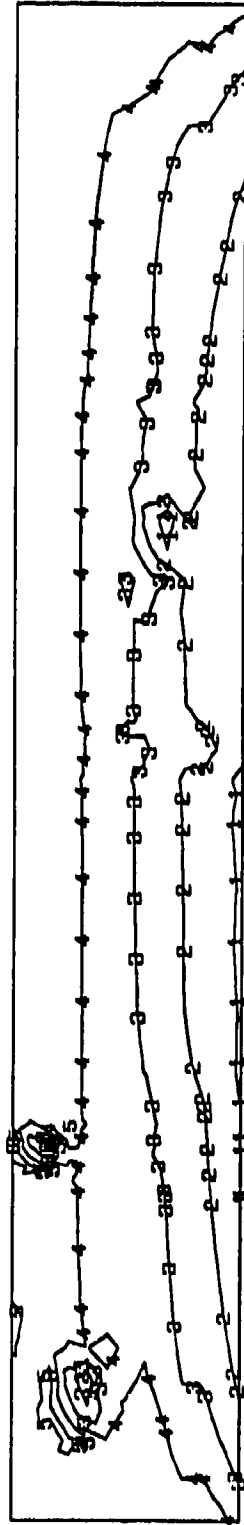
WFRAME 2-D GRID, SUMMER START, PL STRS, L17

TIME COMPLETED IN THIS STEP +5.000E+01 TOTAL ACCUMULATED TIME +1.825E+02 STEP 29 INCREMENT 25

533  
VALUE

1 +3.00E+02  
2 +4.20E+02  
3 +5.40E+02  
4 +6.60E+02  
5 +7.80E+02  
6 +9.00E+02

RUN OMSTDS5A  
ambient temp. =36.5 deg. F  
time = 183 days



1

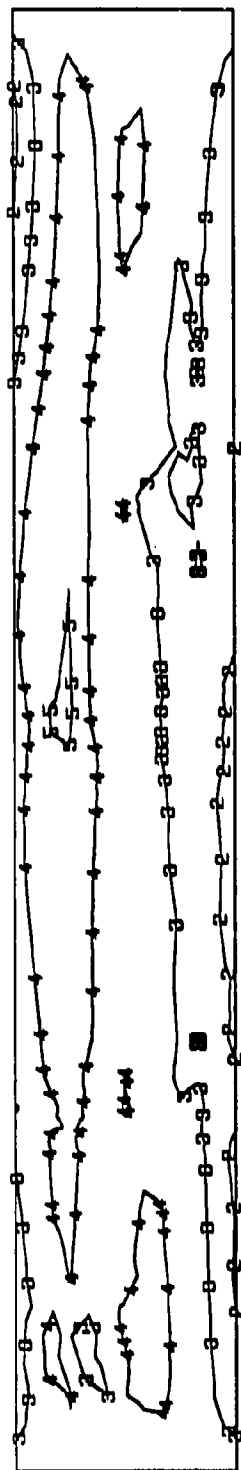
WFRAME 2-D GRID, SUMMER START, PL STRS, L1\_7

TIME COMPLETED IN THIS STEP +5.000E+01 TOTAL ACCUMULATED TIME +1.825E+02 STEP 29 INCREMENT 25

S11  
VALUE

1 -2.00E+02  
2 -1.20E+02  
3 -3.99E+01  
4 +4.00E+01  
5 +1.20E+02  
6 +2.00E+02

RUN OMSTDSSA  
ambient temp. = 36 deg. F  
time = 233 days



1  
WFRAME 2-D GRID, SUMMER START, PL STRS, L1\_7

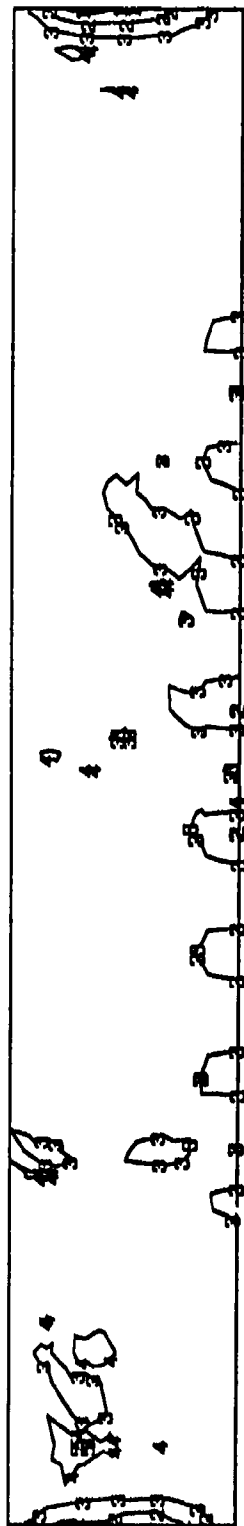
TIME COMPLETED IN THIS STEP +1.000E+02 TOTAL ACCUMULATED TIME +2.325E+02 STEP 29 INCREMENT 50



B22  
VALUE

1 -1.00E+02  
2 -6.00E+01  
3 -1.99E+01  
4 +2.00E+01  
5 +6.00E+01  
6 +1.00E+02

RUN OMSTDS5A  
ambient temp. = 36 deg. F  
time = 233 days



1

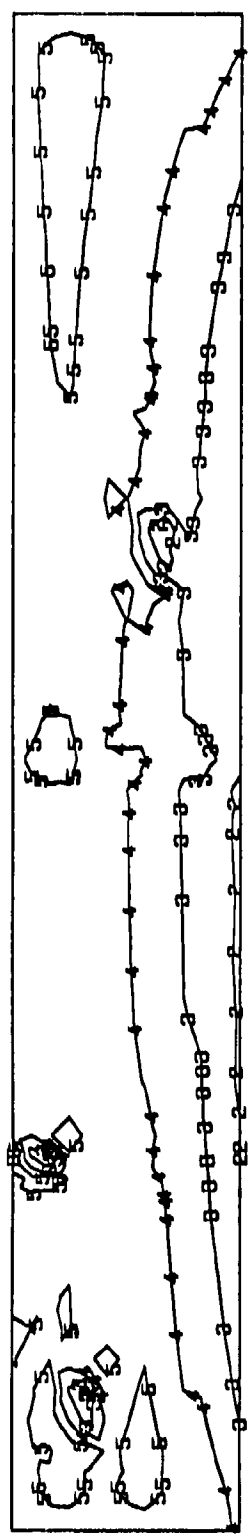
WFRAME 2-D GRID, SUMMER START, PL STRS, L1\_7

TIME COMPLETED IN THIS STEP +1.000E+02 TOTAL ACCUMULATED TIME +2.325E+02 STEP 29 INCREMENT 50

ES3  
VALUE

- 1 +3.00E+02
- 2 +4.20E+02
- 3 +5.40E+02
- 4 +6.60E+02
- 5 +7.80E+02
- 6 +9.00E+02

RUN OMSTDSSA  
ambient temp. = 36 deg. F  
time = 233 days



E98

1

WFRAME 2-D GRID, SUMMER START, PL STRS, L1\_7

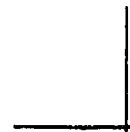
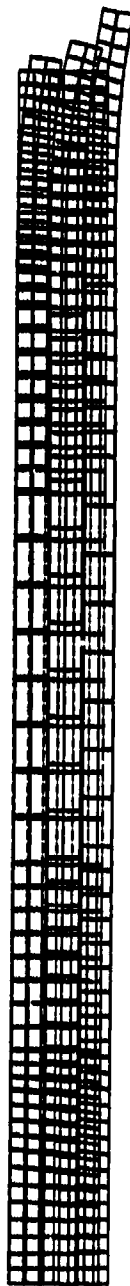
TIME COMPLETED IN THIS STEP +1.000E+02 TOTAL ACCUMULATED TIME +2.325E+02 STEP 29 INCREMENT 50

APPENDIX F: MIXTURE 11, 2-D DISPLACEMENT PLOTS

U

MAG. FACTOR = +8.2E+02  
SOLID LINES - DISPLACED MESH  
DASHED LINES - ORIGINAL MESH

RUN OMSTDS1A  
time = 30 days

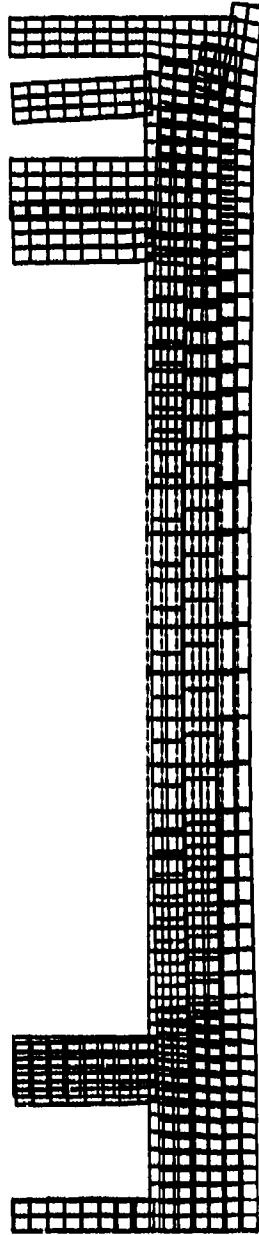


WFRAME 2-D GRID, SUMMER START, PL STRN, L1\_3

TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +2.950E+01 STEP 14 INCREMENT 5

U  
MAG. FACTOR = +9.4E+02  
SOLID LINES - DISPLACED MESH  
DASHED LINES - ORIGINAL MESH

RUN OMSTD51A  
time = 65 days



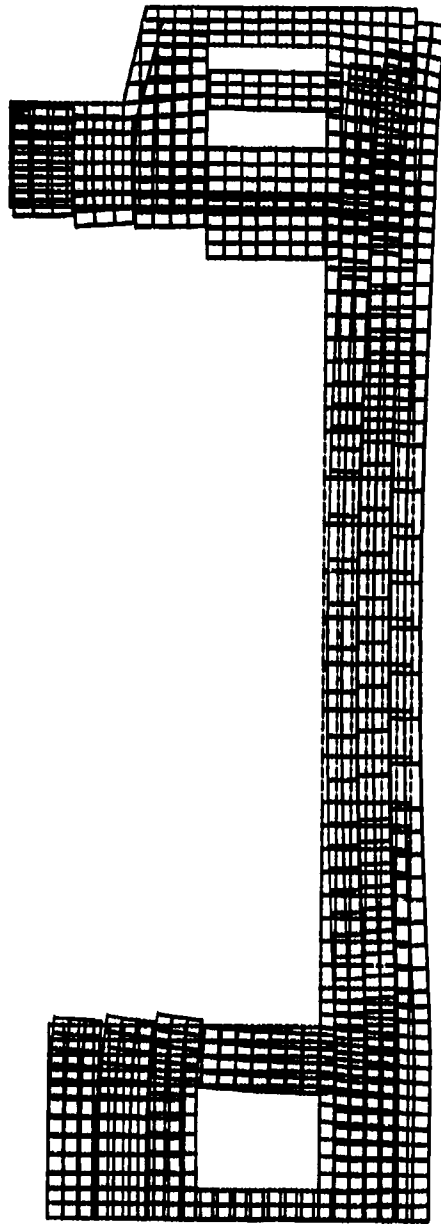
1

WFRAME 2-D GRID, SUMMER START, PL STN, L1\_8

TIME COMPLETED IN THIS STEP +1.500E+01 TOTAL ACCUMULATED TIME +6.450E+01 STEP 31 INCREMENT IS

U  
MAG. FACTOR = +6.8E+02  
SOLID LINES - DISPLACED MESH  
DASHED LINES - ORIGINAL MESH

RUN OMSTD51A  
time = 95 days

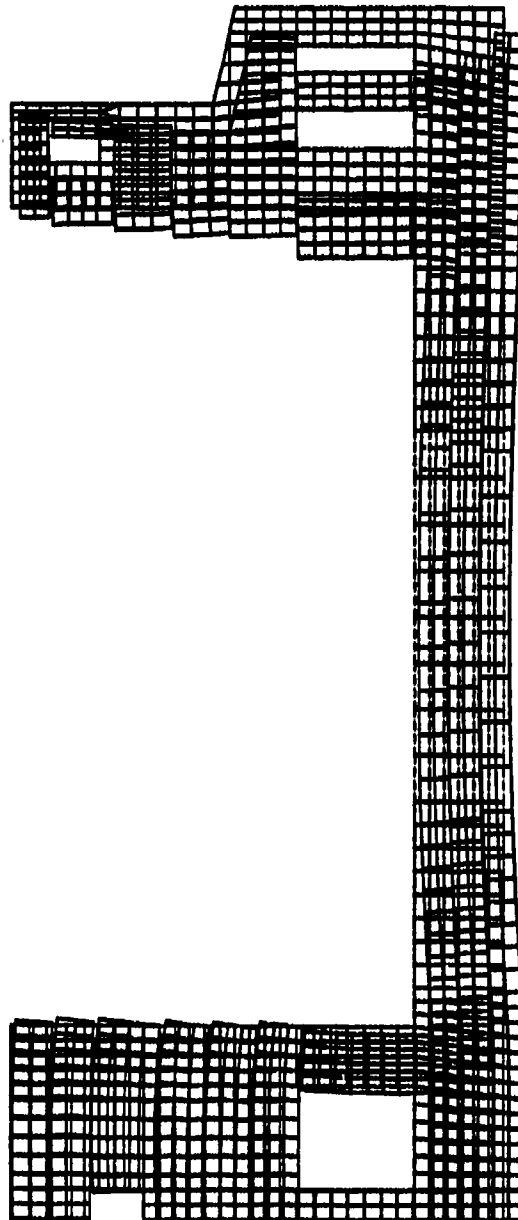


WFRAME 2-D GRID, SUMMER START, PL STRN, L114

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.450E+01 STEP 57 INCREMENT 8

U  
MAG. FACTOR = +4.9E+02  
SOLID LINES - DISPLACED MESH  
DASHED LINES - ORIGINAL MESH

RUN OMSTD51A  
time = 120 days



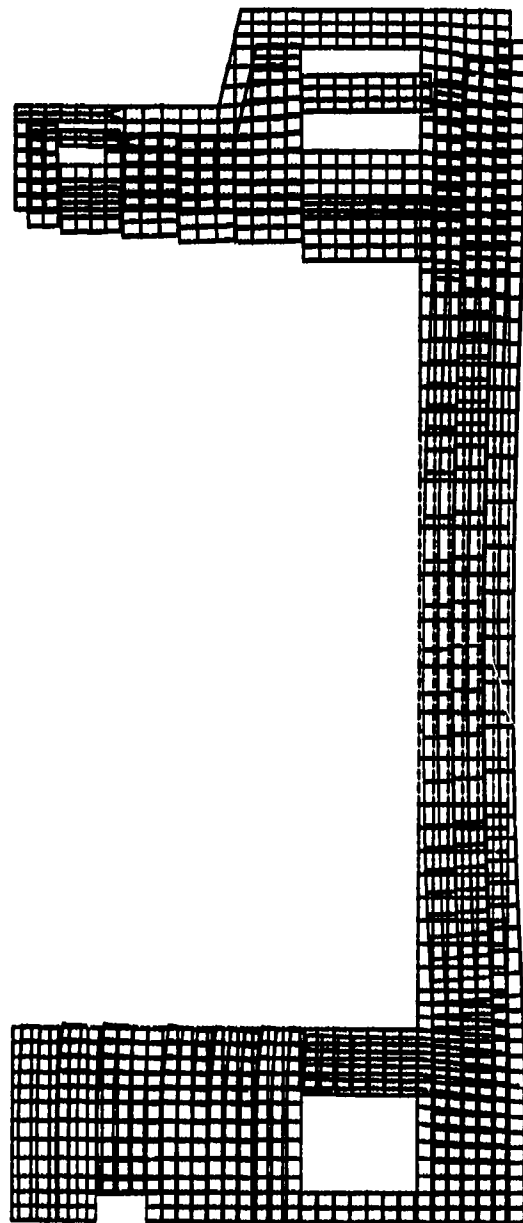
F6

1  
WFRAME 2-D GRID, SUMMER START, PL STRN, L119

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.195E+02 8 STEP 78 INCREMENT 8

U  
MAG. FACTOR = +4.2E+02  
SOLID LINES - DISPLACED MESH  
DASHED LINES - ORIGINAL MESH

RUN OMSTDSIA  
time = 133 days



F7

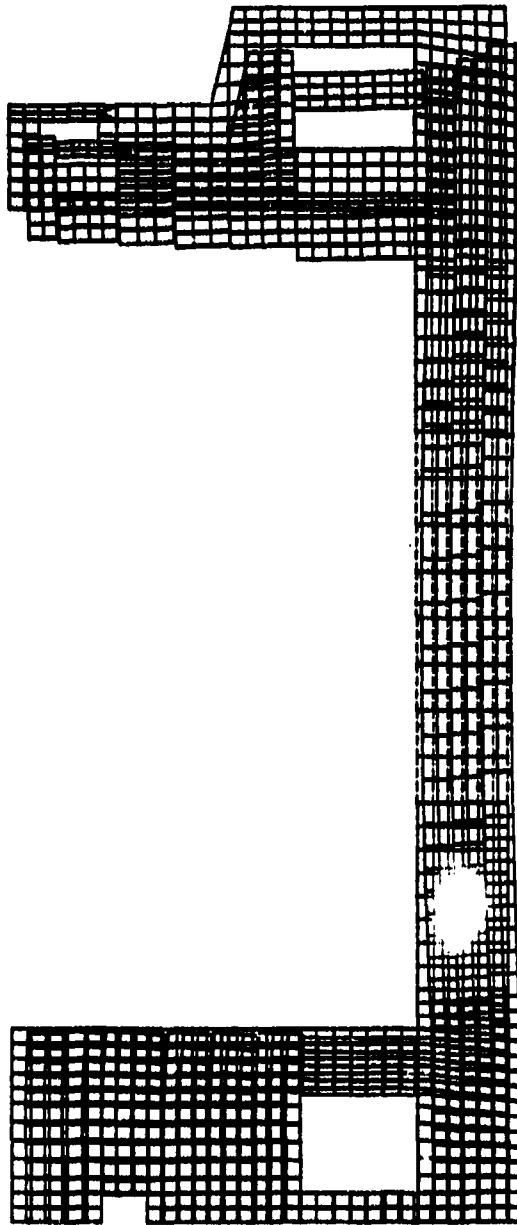
WFRAME 2-D GRID, SUMMER START, PL STRN, L119

TIME COMPLETED IN THIS STEP +1.300E+01 TOTAL ACCUMULATED TIME +1.328E+02 STEP 60 INCREMENT 13



U  
MAG. FACTOR = +3.1E+02  
SOLID LINES - DISPLACED MESH  
DASHED LINES - ORIGINAL MESH

RUN ONSTD51A  
time = 170 days

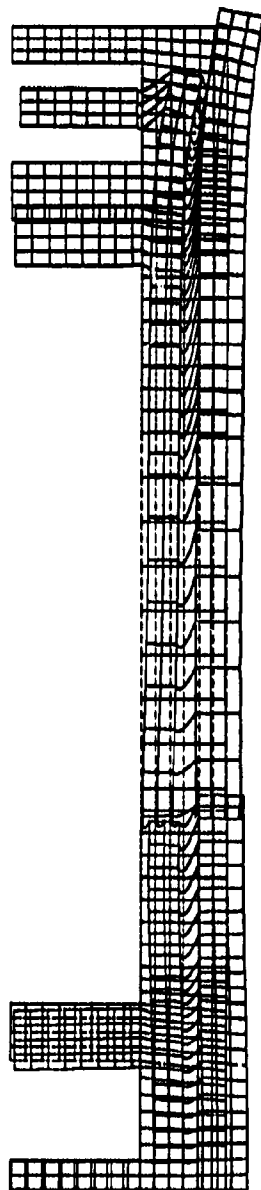


1  
WFRAME 2-D GRID, SUMMER START, PL STRN, L119

TIME COMPLETED IN THIS STEP +3.700E+01 TOTAL ACCUMULATED TIME +1.688E+02 STEP 61 INCREMENT 37

U  
MAG. FACTOR =  $+1.1E+03$   
SOLID LINES - DISPLACED MESH  
DASHED LINES - ORIGINAL MESH

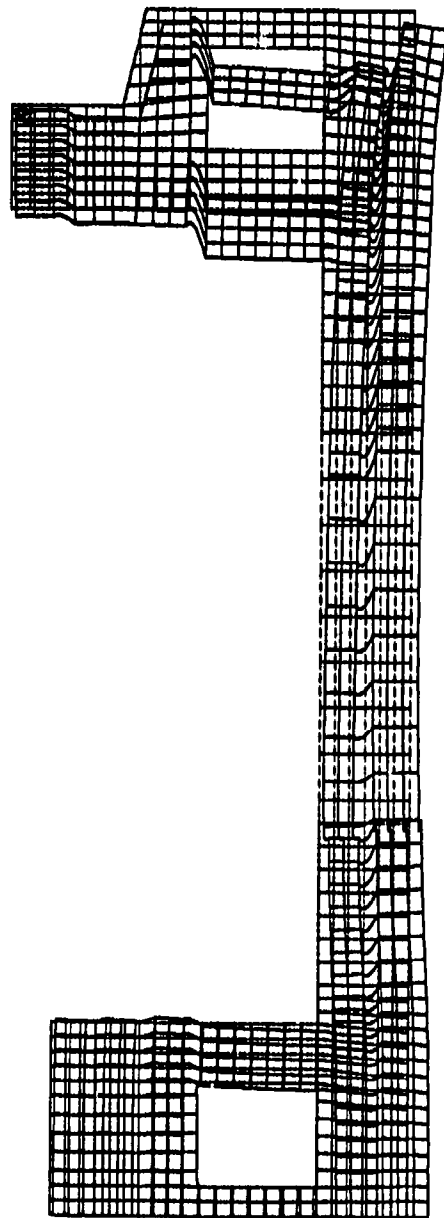
RUN OMSTD84A  
time = 65 days



1  
WFRAME 2-D GRID, SUMMER START, L1\_8  
TIME COMPLETED IN THIS STEP  $+1.500E+01$  TOTAL ACCUMULATED TIME  $+6.450E+01$  STEP 33 INCREMENT 15

U  
MAG. FACTOR = +7.0E+02  
SOLID LINES - DISPLACED MESH  
DASHED LINES - ORIGINAL MESH

RUN ONSTD54A  
time = 95 days

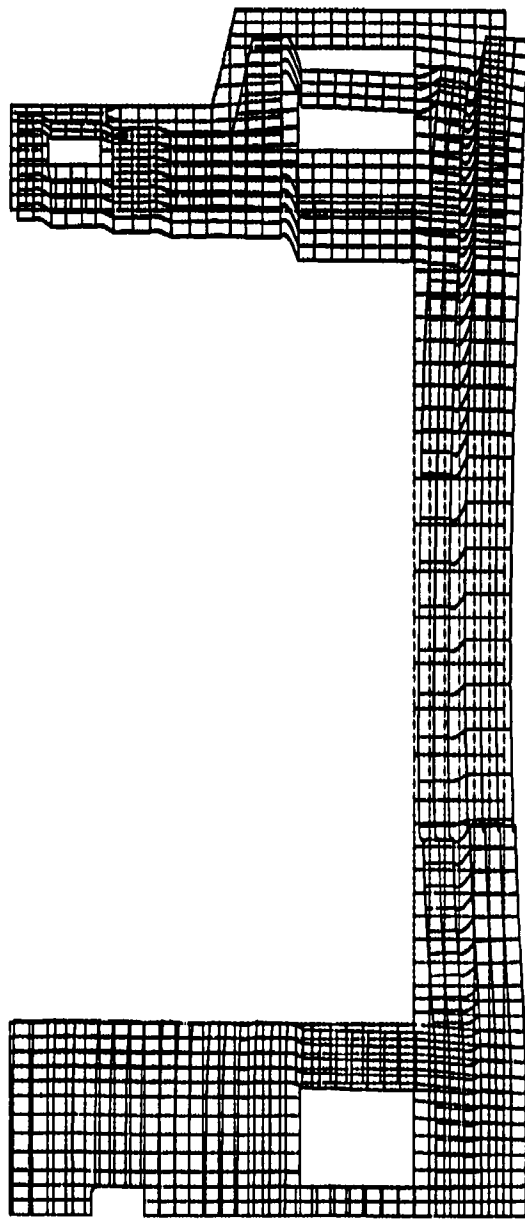


WFRAME 2-D GRID, SUMMER START, L114

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.450E+01 STEP 69 INCREMENT 5

U  
MAG. FACTOR = +5.2E+02  
SOLID LINES - DISPLACED MESH  
DASHED LINES - ORIGINAL MESH

RUN OMSTDS4A  
time = 120 days



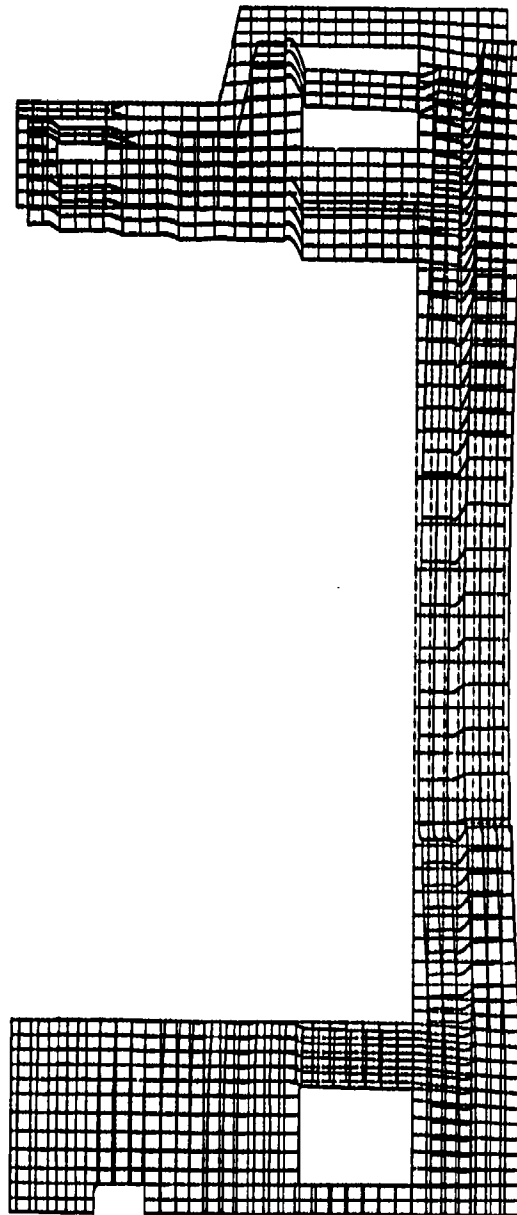
F11

WFRAME 2-D GRID, SUMMER START, L119

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.156E+02 STEP 81 INCREMENT 6

U  
MAG. FACTOR = +4.5E+02  
SOLID LINES - DISPLACED MESH  
DASHED LINES - ORIGINAL MESH

RUN CMSTDS4A  
time = 133 days

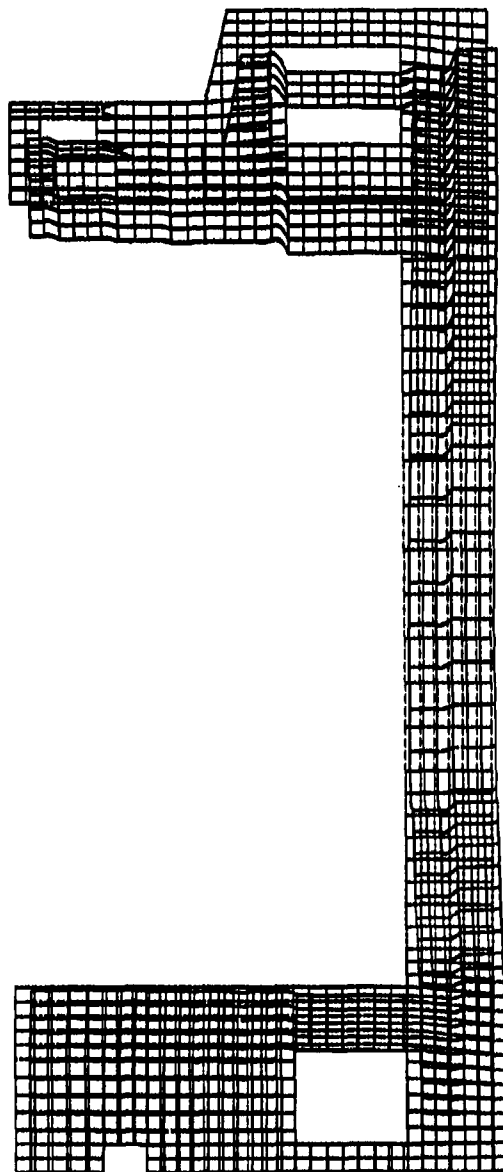


WFRAME 2-D GRID, SUMMER START, L119

TIME COMPLETED IN THIS STEP +1.300E+01 TOTAL ACCUMULATED TIME +1.325E+02 STEP 82 INCREMENT 13

U  
MAG. FACTOR = +3.0E+02  
SOLID LINES - DISPLACED MESH  
DASHED LINES - ORIGINAL MESH

RUN 08STD54A  
time = 184 days



WFRAME 2-D GRID, SUMMER START, L119

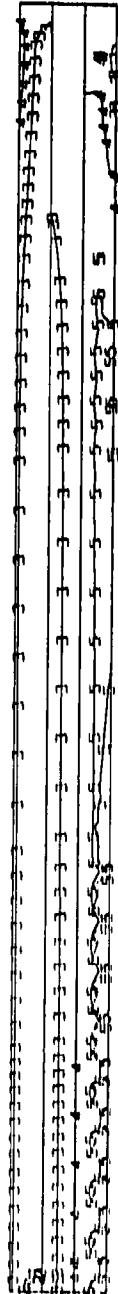
TIME COMPLETED IN THIS STEP +5.000E+01 TOTAL ACCUMULATED TIME +1.833E+02 STEP 84 INCREMENT 25

**APPENDIX G: MIXTURE 6, 2-D STRESS CONTOUR PLOTS**

11  
VALUE

1 -1.00E+02  
2 -6.00E+01  
3 -1.50E+01  
4 +2.00E+01  
5 +5.00E+01  
6 -1.00E+02

G3



1  
OLMSTED. STRIP METHOD. JUNE 20 START. PL STRS. L1\_3  
TIME COMPLETED TO THIS STEP 16.00E+00 TOTAL ACCUMULATED TIME +2.050E+01 STEP 14 INCREMENT 5



22  
VALUE

1	-5.00E+01
2	-3.80E+01
3	-2.60E+01
4	-1.40E+01
5	-1.99E+00
6	+1.00E+01

三	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五	五</
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PRIME	VALUE
1	+1.40E-05
2	+1.40E-01
3	+2.80E-01
4	+4.20E-01
5	+5.60E-01
6	+7.00E-01

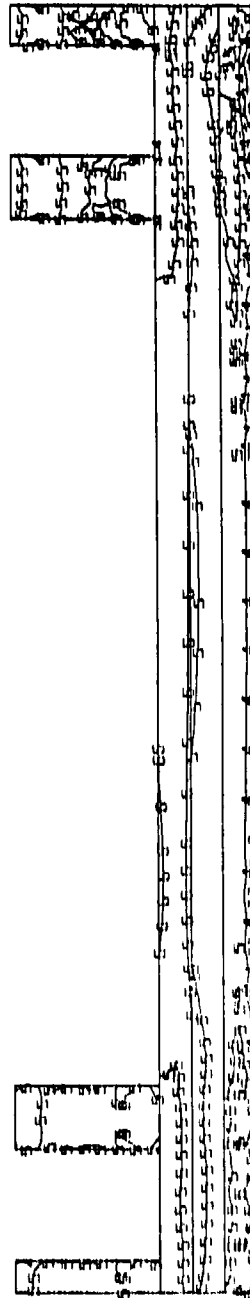


1  
OLMSTED. STRIP METHOD. JUNE 20 START. PL STRS. L1\_3  
TIME COMPLETED IN THIS STEP -5 000E+00 TOTAL ACCUMULATED TIME +2.950E+01 # STEP 14 INCREMENT 5

S11  
VALUE

1	-8.00E+01
2	-5.00E+01
3	-4.00E+01
4	-1.99E+01
5	+2.00E-05
5	+2.00E+01

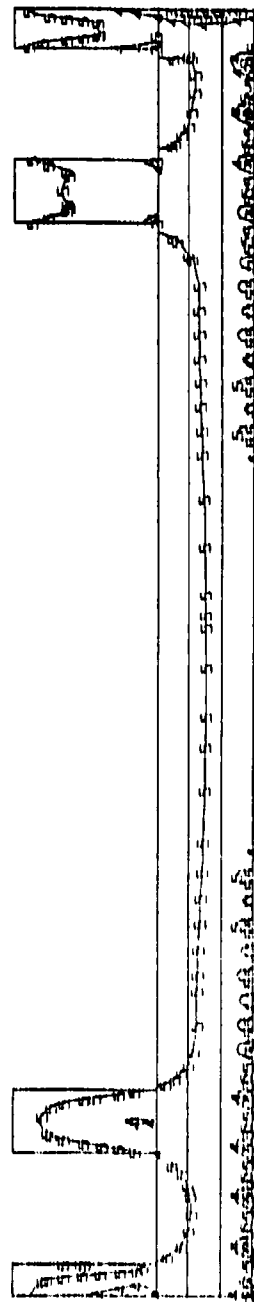
G6



1  
OLMSTED. STRIP METHOD. JUNE 20 START. PL SIRS. L1\_8  
THE COMPLETED IN THIS STEP +1 500E+01 TOTAL ACCUMULATED TIME +6 450E+01 9 STEP 31 INCREMENT 15

S22  
VALUE

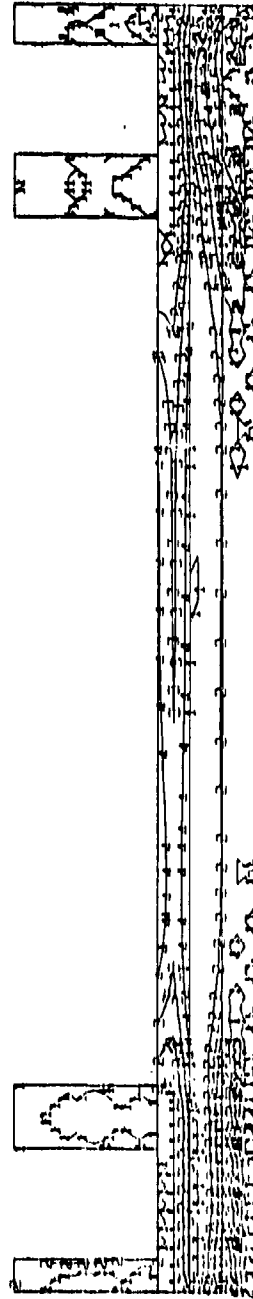
1	-7.00E+01
2	-5.40E+01
3	-3.80E+01
4	-2.20E+01
5	-5.99E+00
6	+1.00E+01



1  
OLMSTED, STRIP METHOD, JUNE 20 START, PL STRS. L1\_B  
TIME CALCULATED IN THIS STEP: 41.80E+01 TOTAL ACCUMULATED TIME: 45.45E+01 STEP 31 INCREMENT 15

TIME  
VALUE

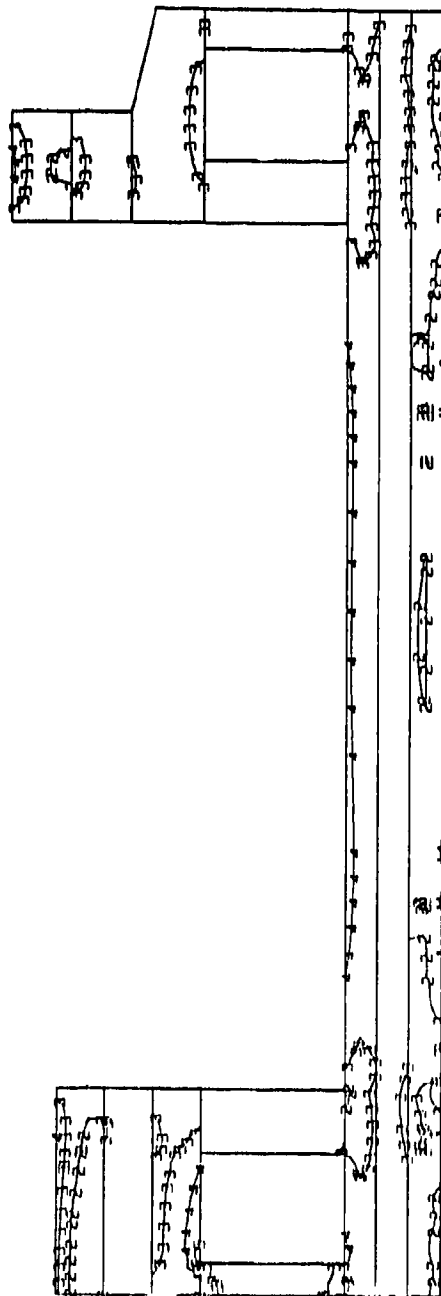
1	+6.00E-06
2	+6.00E+00
3	+1.20E+01
4	+1.60E+01
5	+2.40E+01
6	+3.00E+01



1  
OLMSTED, STRIP METHOD, JUNE 20 START, PL STRS, L1\_8  
TIME COMPLETED IN THIS STEP +1.500E+01 TOTAL ACCUMULATED TIME +5.450E+01 # STEP 31 INCREMENT 15

311  
VALUE

1 -1.00E+02  
2 -3.99E+01  
3 +2.00E+01  
4 +8.30E+01  
5 +1.40E+02  
6 +2.00E+02

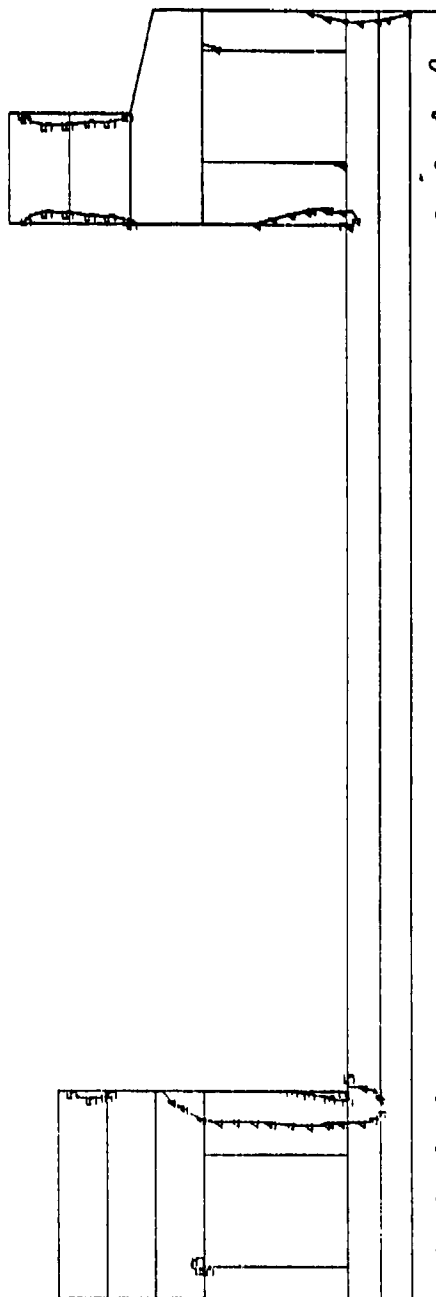


OLMSTED, STRIP METHOD, JUNE 20 START, PL STRS, L114

TIME CORRECTION IN THIS STEP IS ADJUSTED TOTAL ACCUMULATED TIME IS 5505.018 STEP 57 INCREMENT 6

S22  
VALUE

1	-3 00E+02
2	-2 20E+02
3	-1 40E+02
4	-5 99E+01
5	+2 00E+01
6	+1 00E+02

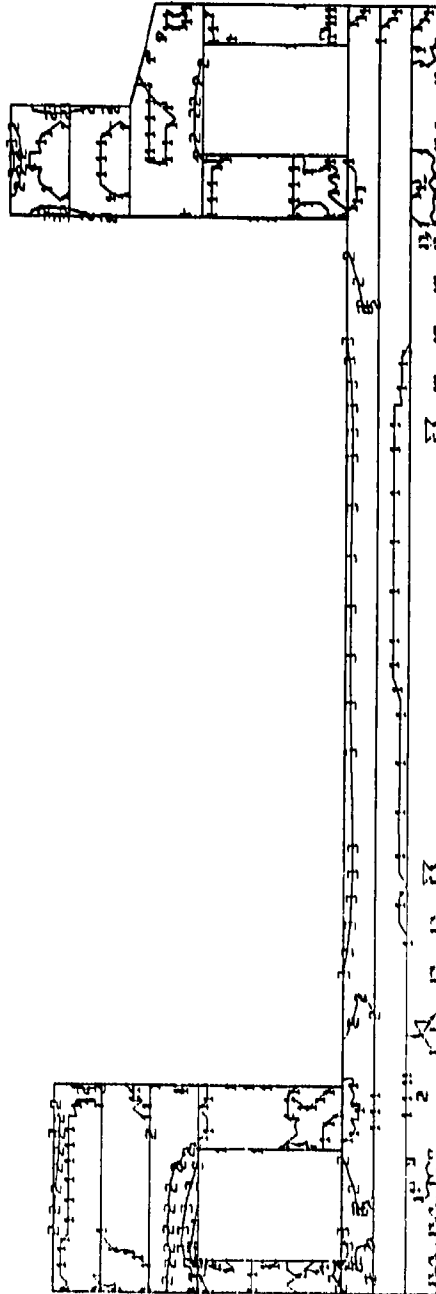


G10

1  
OLMSTED, STRIP METHOD, JUNE 20 START, PL STRS, L114  
TIME COMPLETED IN THIS STEP 42 00E+00 TOTAL ACCUMULATED TIME 43 250E+01 S STEP 57 INCREMENT 6

PRINT  
VALUE

1	+4.00E-05
2	+4.00E+01
3	+9.00E+01
4	+1.20E+02
5	+1.60E+02
6	+2.00E+02

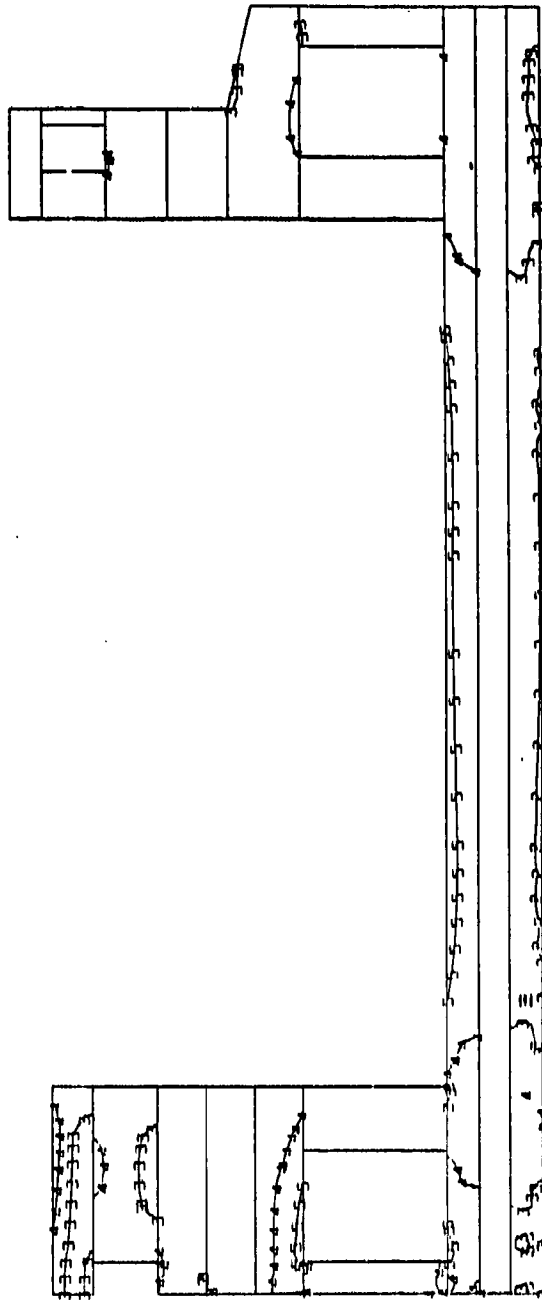


OLMSTED, STRIP METHOD. JUNE 20 START, PL SIRS, L114  
TIME COMPLETED IN THIS STEP +3.00E+00 TOTAL ACCUMULATED TIME +9.45E+01 STEP 57 INCREMENT 5



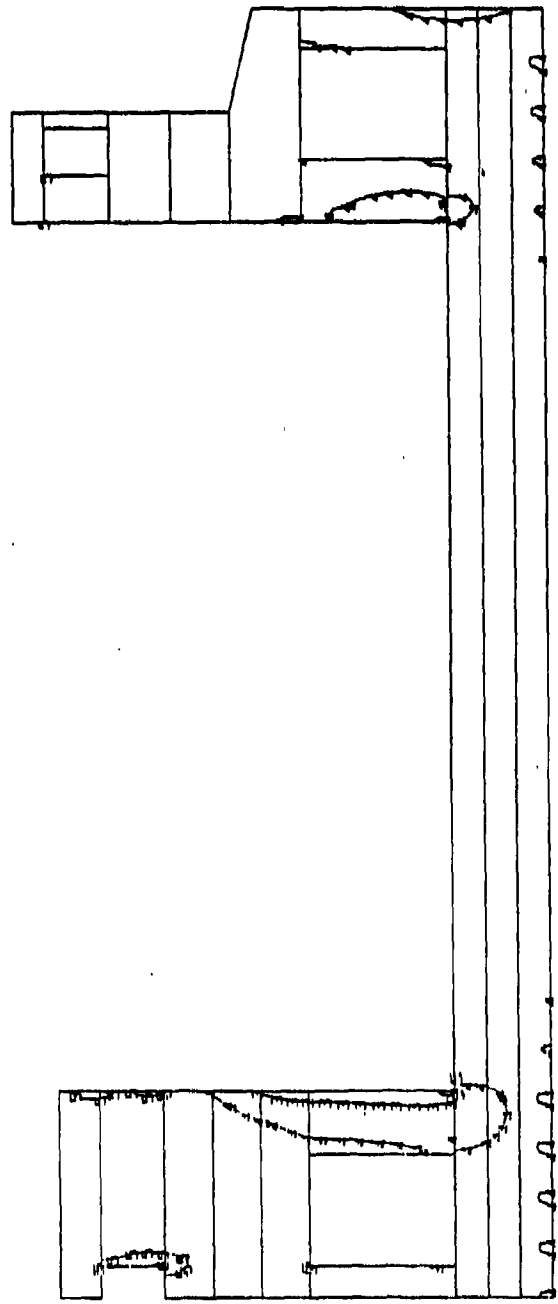
511  
VALUE

1 -2.00E+02  
2 -1.20E+02  
3 -3.99E+01  
4 +4.00E+01  
5 +1.20E+02  
6 +2.00E+02



OLMSTED, STRIP METHOD, JUNE 20 START, PL STRS. L118  
TIME COMPLETED IN THIS STEP +5 000E-01 TOTAL ACCUMULATED TIME +1.145E+02 B STEP 75 INCREMENT 1

S22  
 VALUE  
 1 -3.00E+02  
 2 -2.20E+02  
 3 -1.40E+02  
 4 -5.95E+01  
 5 +2.00E+01  
 6 +1.00E+02

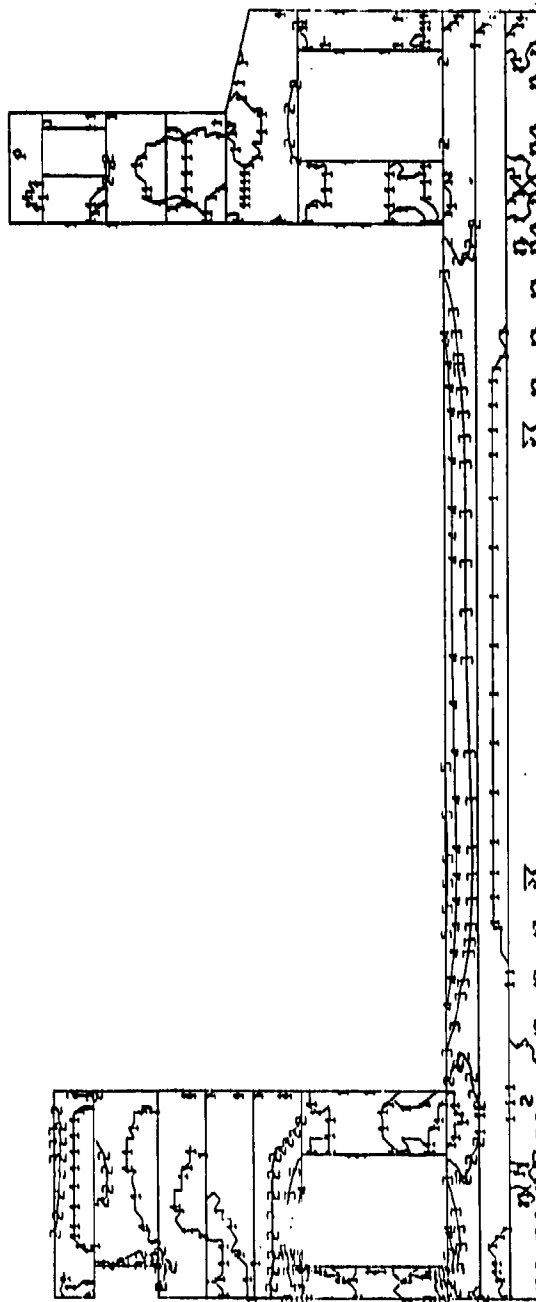


1  
 OLMSTED, STRIP METHOD. JUNE 20 START, PL STRS. L118  
 TIME COMPLETED IN THIS STEP +5 000E-01 TOTAL ACCUMULATED TIME +1 145E+02 # STEP 75 INCREMENT 1

```

PRIN3
VALUE
1      +4.00E-05
2      +4.00E+01
3      +8.00E+01
4      +1.20E+02
5      +1.60E+02
6      +2.00E+02

```

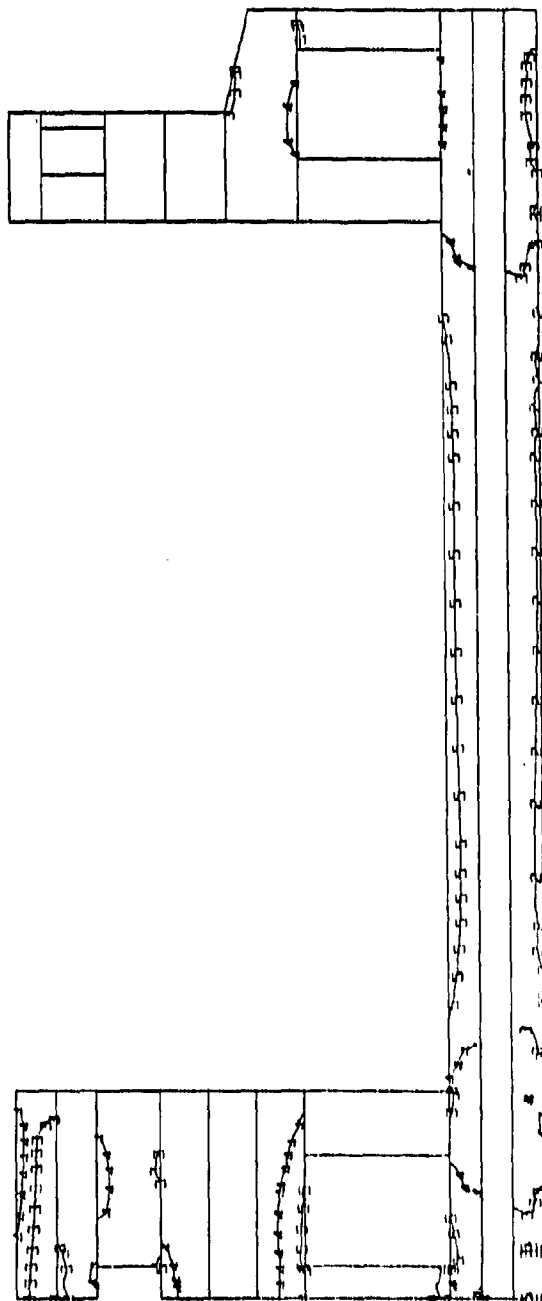


G14

OLMSTED, STRIP METHOD, JUNE 20 START, PL STRS, L118

TIME COMPLETED IN THIS STEP +5 000E-01 TOTAL ACCUMULATED TIME +1.145E+02 8 STEP 75 INCREMENT 1

511  
 VALUE  
 1 -2.00E+02  
 2 -1.20E+02  
 3 -3.95E+01  
 4 +4.00E+01  
 5 +1.20E+02  
 6 +2.00E+02

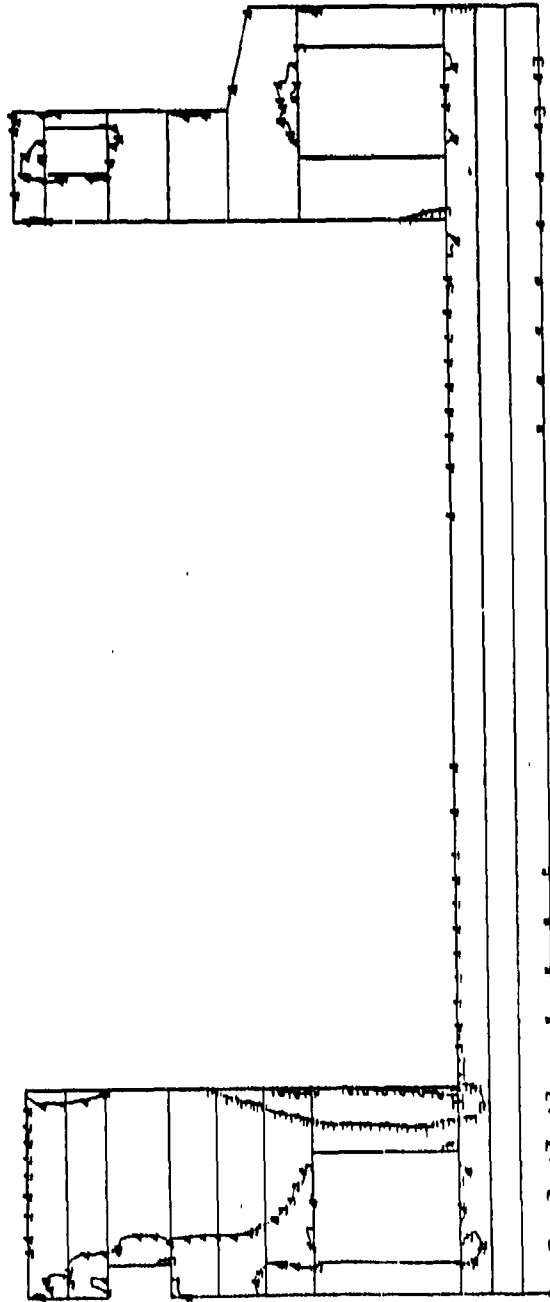


1  
 OLMSTED, STRIP METHOD, JUNE 20 START, PL STRS. L119  
 TIME COMPLETED IN THIS STEP 45 HOURS  
 TOTAL ACCUMULATED TIME +1.195E+02 H STEP 79 INCREMENT 6

522

VALUE

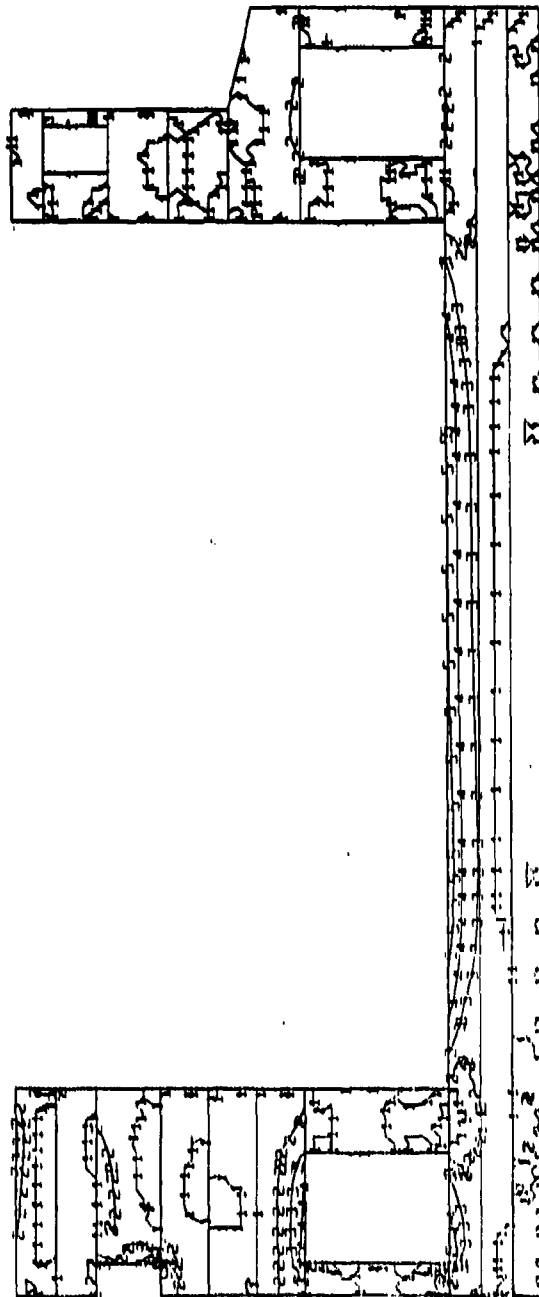
1	-3.00E+02
2	-2.00E+02
3	-9.99E+01
4	+1.00E-04
5	+1.00E+02
6	+2.00E+02



OLMSTED. STRIP METHOD. JUNE 20 START. PL STRS. L119  
 TIME COMPLETED IN THIS STEP +3.00E+00 TOTAL ACCUMULATED TIME +1.10E+02 8 STEP 79 INCREMENT 6

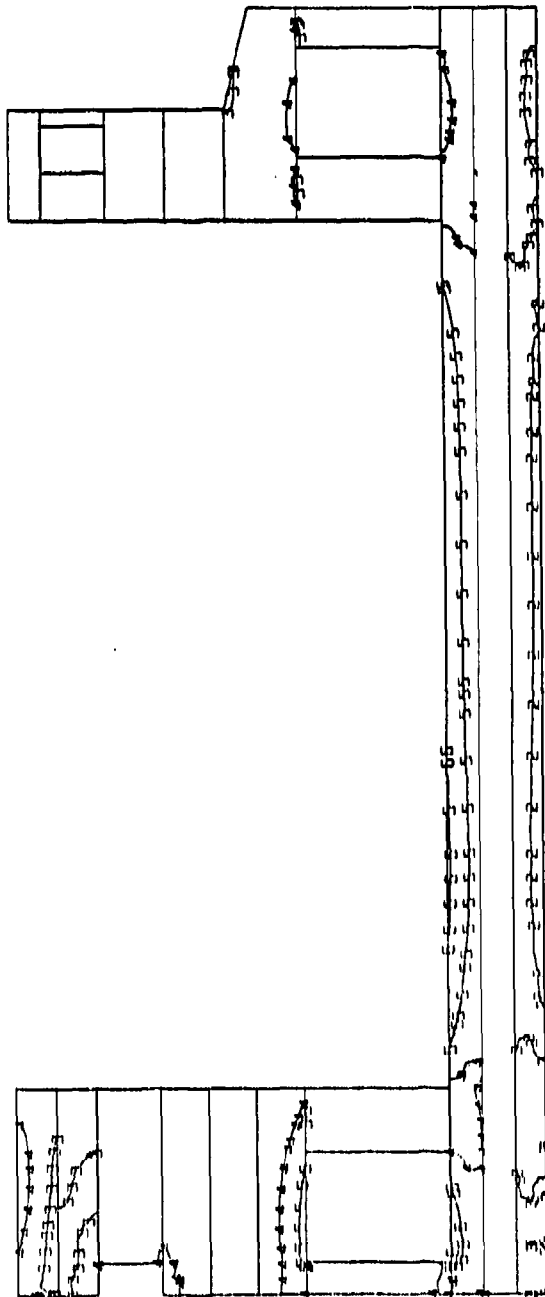
PRINT  
VALUE

1	+4.00E-05
2	+4.00E+01
3	+8.00E+01
4	+1.20E+02
5	+1.60E+02
6	+2.00E+02



OLMSTED, STRIP METHOD, JUNE 20 START, PL STRS, L119  
TIME CONG EFT: 171 THIS STEP +3 000E+00 TOTAL ACCUMULATED TIME +1 195E+02 S STEP 79 INCREMENT 6

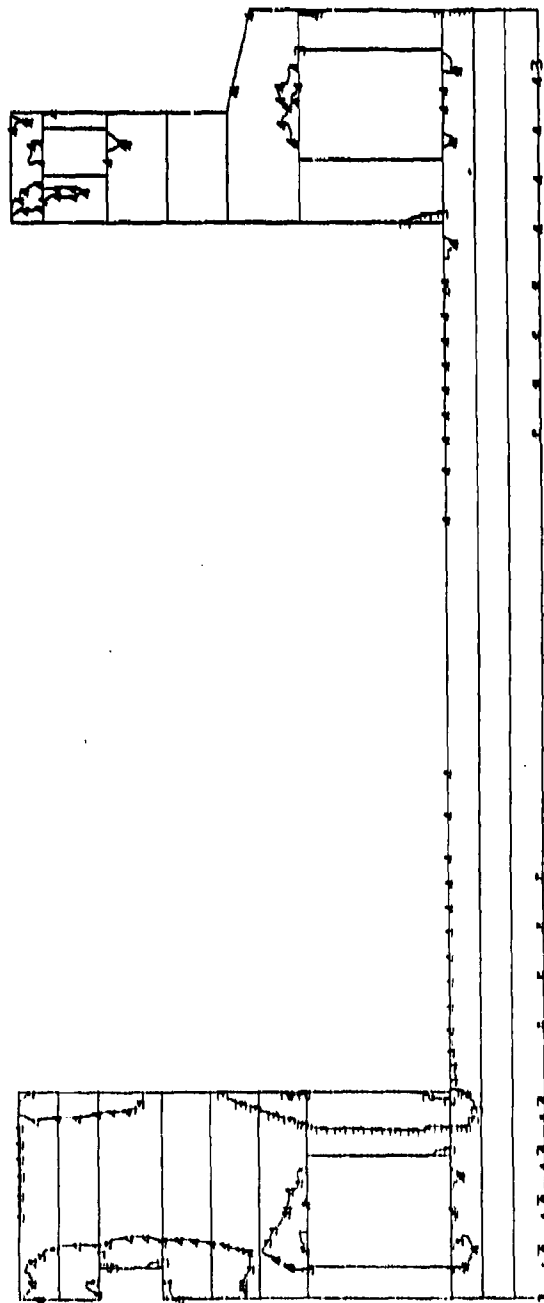
S11  
VALUE  
1 -2.00E+02  
2 -1.20E+02  
3 -3.99E+01  
4 +4.00E+01  
5 +1.20E+02  
6 +2.00E+02



G18

OLMSTED, STRIP METHOD, JUNE 20 START, PL STRS, L119  
TIME COMPLETED IN THIS STEP +1 200E+01 TOTAL ACCUMULATED TIME +1 325E+02 # STEP 80 INCREMENT 13

S22  
VALUE  
1 -3.00E+02  
2 -2.00E+02  
3 -9.95E+01  
4 +1.00E-04  
5 +1.00E+02  
6 +2.00E+02

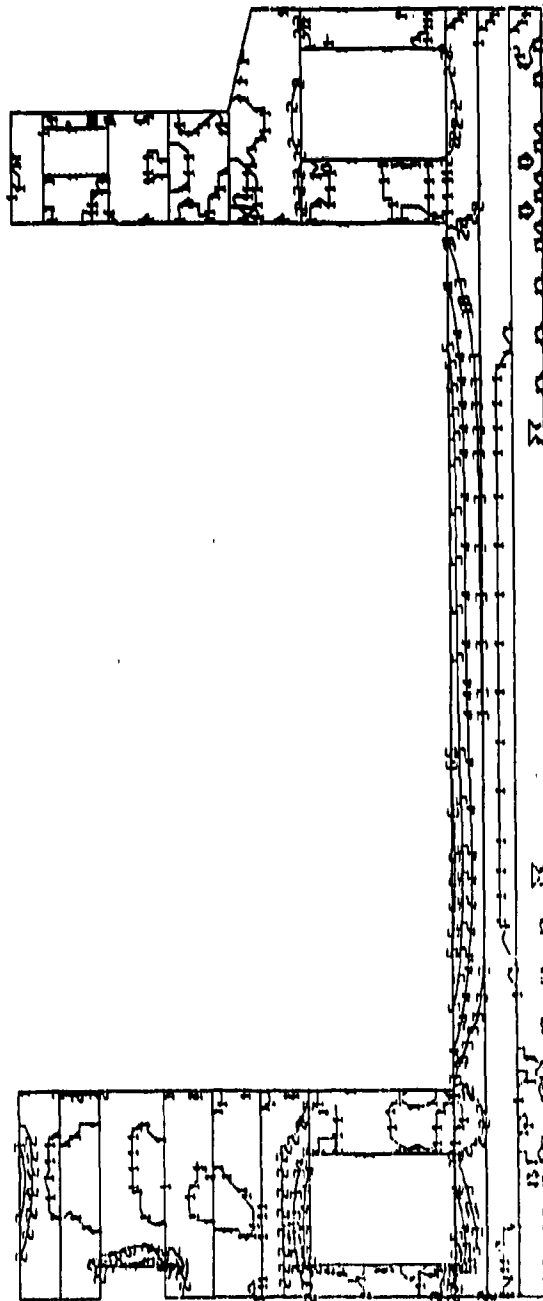


OLMSTED, STRIP METHOD, JUNE 20 START, PL STRS. L119  
TIME COMPLETED IN THIS STEP +1.300E+01 TOTAL ACCUMULATED TIME +1.325E+02 STEP 80 INCREMENT 13



PRIN3  
VALUE

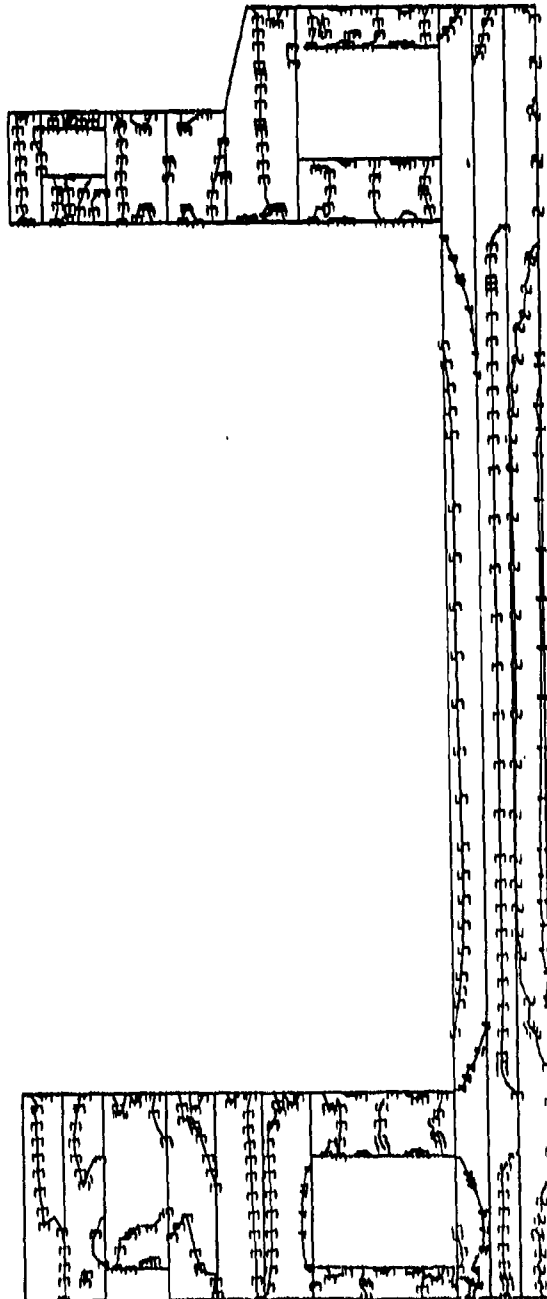
1	+4.00E-05
2	+4.00E+01
3	+8.00E+01
4	+1.20E+02
5	+1.60E+02
6	+2.00E+02



G20

OLMSTED, STRIP METHOD, JUNE 20 START, PL SIRS, L119  
TIME COMPLETED IN THIS STEP +1.330E+01 TOTAL ACCUMULATED TIME +1.325E+02 B STEP 80 INCREMENT 13

511  
 /AL:SE  
 1 -2.00E+02  
 2 -9.99E+01  
 3 +1.00E-04  
 4 +1.00E+02  
 5 +2.00E+02  
 6 -3.00E+02

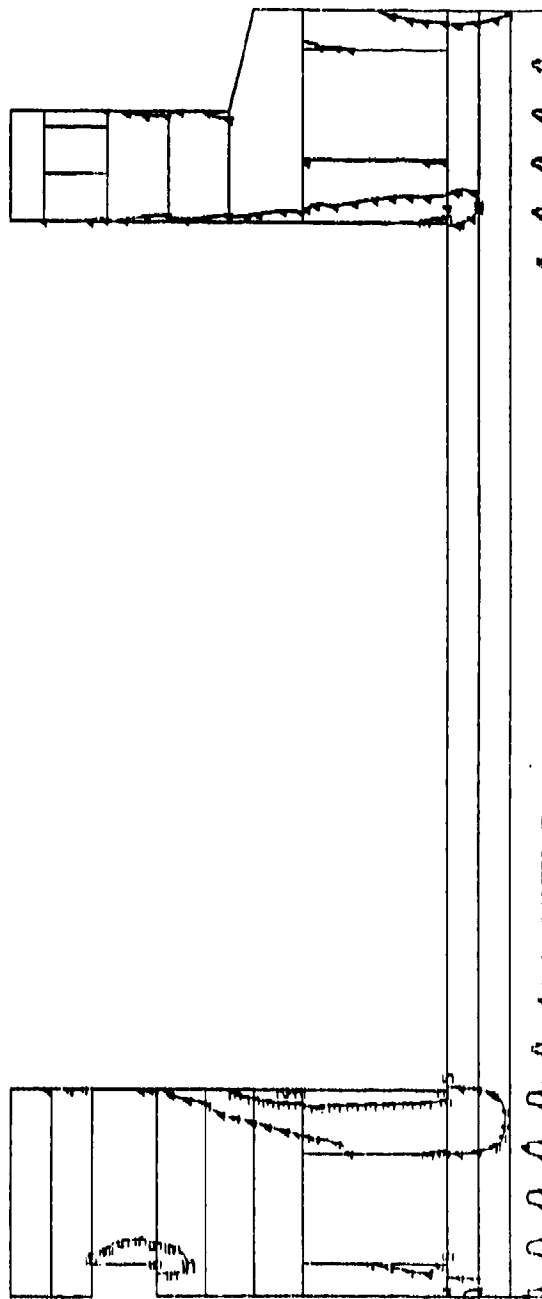


G21

<sup>1</sup>  
 OLMSTED, STRIP METHOD, JUNE 20 START, PL SIRS, L119  
 TIME COMPLETED IN THIS STEP 15.000E+01 TOTAL ACCUMULATED TIME 1.835E+02 8 STEP 82 INCREMENT 25

S22  
VALUE

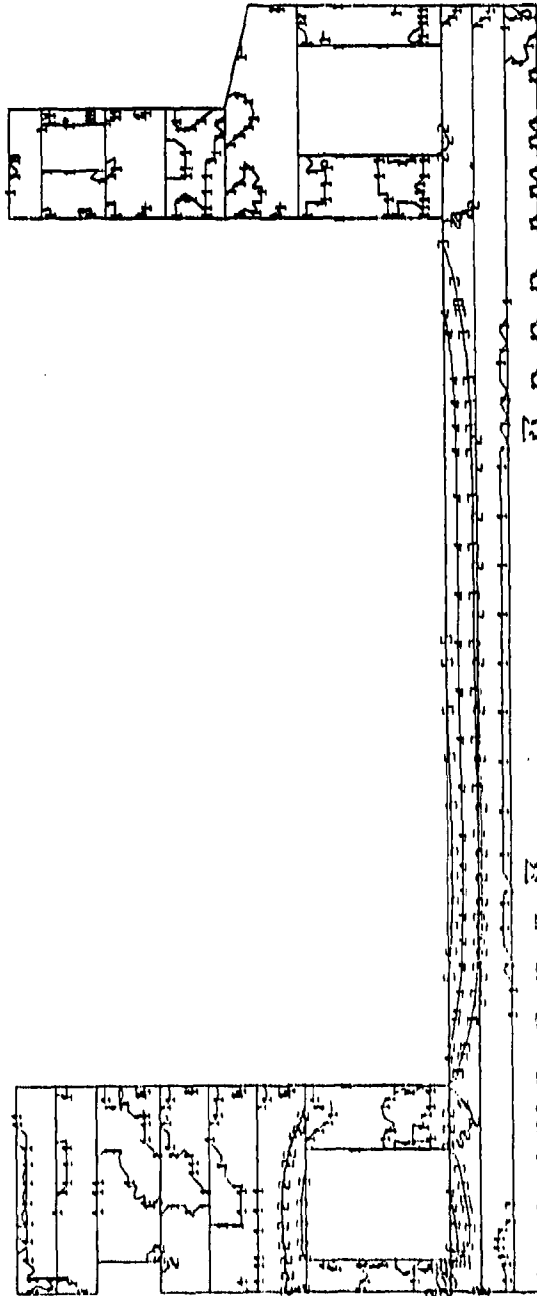
1	-3.00E+02
2	-2.20E+02
3	-1.40E+02
4	-5.99E+01
5	+2.00E+01
6	+1.00E+02



OLNSTED. STRIP METHOD. JUNE 20 START, PL STRS. L119  
TIME COMPLETED IN THIS STEP +5.000E+01 TOTAL ACCUMULATED TIME +1.835E+02 STEP 82 INCREMENT 25

TIME  
-VALUE

1	+5.00E-05
2	+6.00E-01
3	+1.20E+02
4	+1.80E+02
5	+2.40E+02
6	+3.00E+02

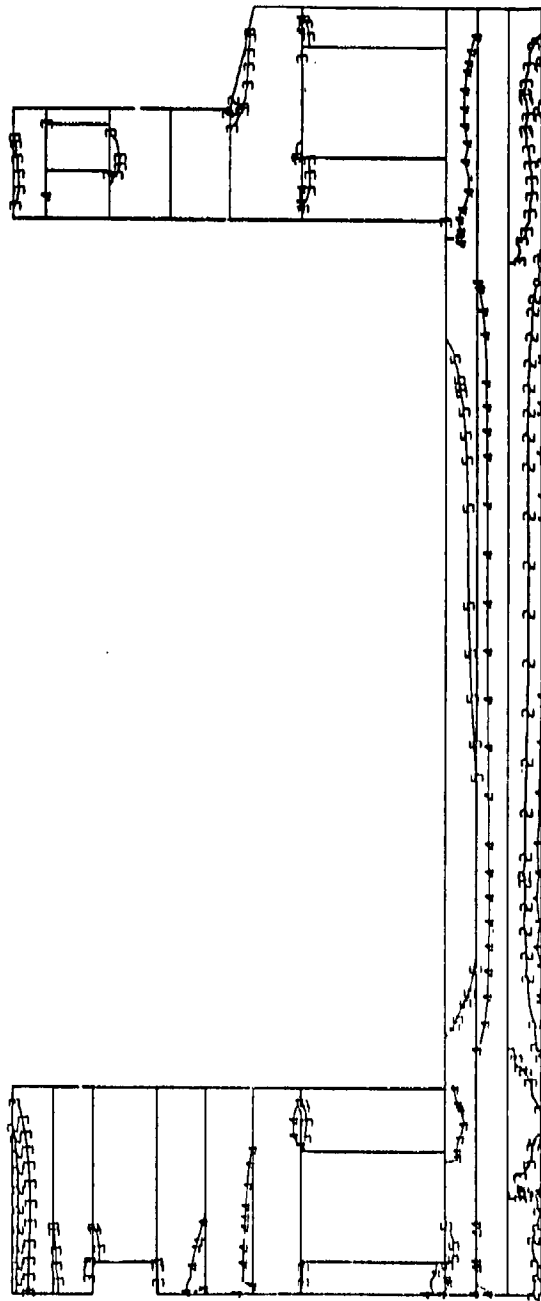


G23

OLMSTED. STRIP METHOD. JUNE 20 START. PL STRS. L119  
TIME COMPLETED IN THIS STEP +5.00E-01 TOTAL ACCUMULATED TIME +1.835E+02 # STEP B2 INCREMENT 25

S11  
VALUE

1	-2.00E+02
2	-1.20E+02
3	-3.99E+01
4	+4.00E+01
5	+1.20E+02
5	+2.00E+02

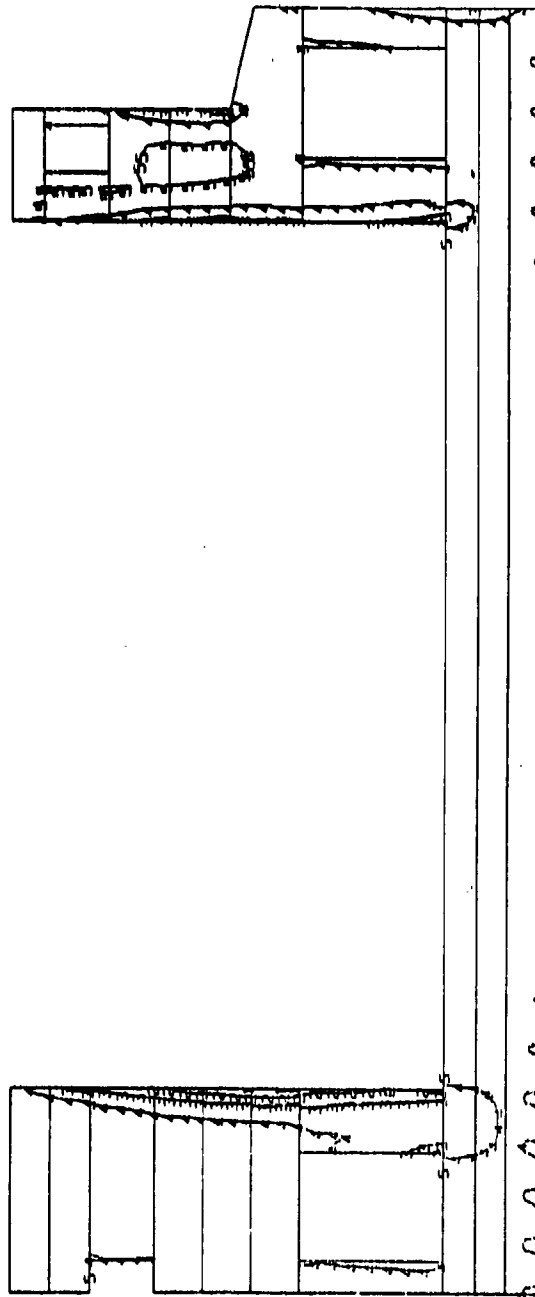


OLMSTED, STRIP METHOD, JUNE 20 START, PL STRS, L119  
TIME COMPLETED IN THIS STEP +1.00E+02 TOTAL ACCUMULATED TIME +2.335E+02 # STEP 02 INCREMENT 50

S22

VALUE

1	-3.00E+02
2	-2.20E+02
3	-1.40E+02
4	-5.99E+01
5	+2.00E+01
6	+1.00E+02

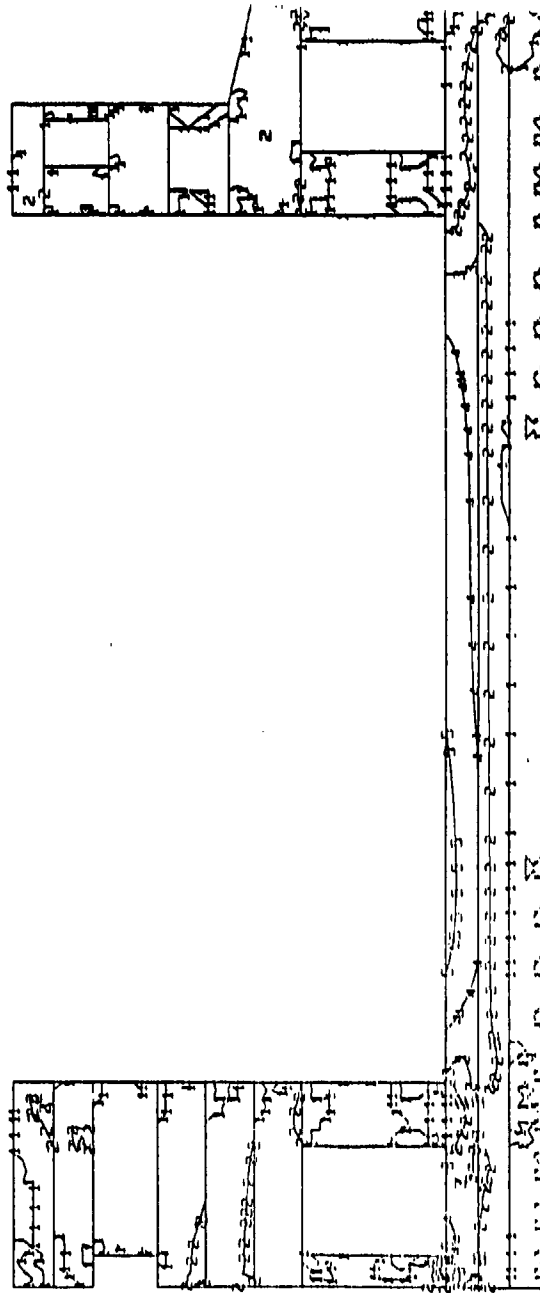


OLMSTED, STRIP METHOD, JUNE 20 START, PL SIRS, L119

TIME COMPLETED IN THIS STEP +1.060E+02 TOTAL ACCUMULATED TIME +2.335E+02 \$ STEP B2 IMPROVEMENT 59

PRINT  
VALUE

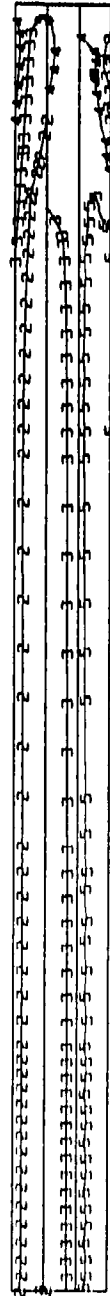
1	+4.00E-05
2	+4.00E+01
3	+8.00E+01
4	+1.20E+02
5	+1.60E+02
6	+2.00E+02



OLMSTED, STRIP METHOD, JUNE 20 START, PL STRS, L119  
TIME COMPLETED IN THIS STEP +1.00E+02 TOTAL ACCUMULATED TIME +2.335E+02 P STEP 82 INCREMENT 50

511  
VALUE

1	-1.00E+02
2	-6.00E+01
3	-1.95E+01
4	+2.00E+01
5	+6.00E+01
6	+1.00E+02



1  
OLMSTED, STRIP METHOD, JUNE 20 START, PL STAN, L1\_3  
TIME COMPLETED THIS STEP +5.00E+00 TOTAL ACCUMULATED TIME +2.570E+01 IN STEP 14 INCREMENT 5



S22  
VALUE

1	-5.00E+01
2	-4.40E+01
3	-2.80E+01
4	-1.19E+01
5	+4.00E+00
6	+2.00E+01



OLMSTED, STRIP METHOD, JUNE 20 START, PL STRN, L1\_3

TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +2.950E+01 # STEP 14 INCREMENT 5

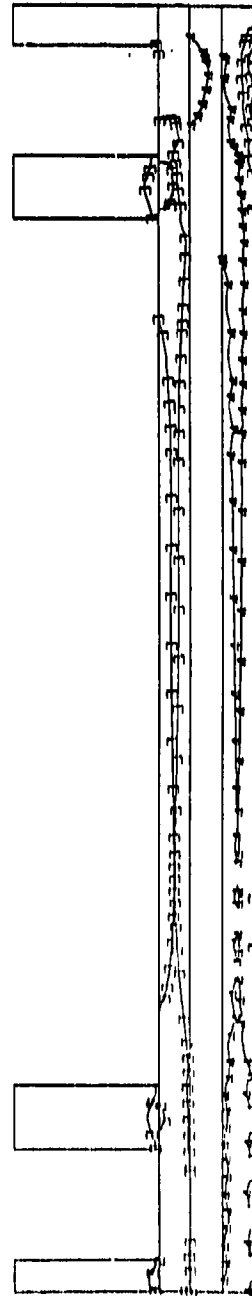
533  
VALUE

1	-1.00E+02
2	-8.00E+01
3	-5.00E+01
4	-4.00E+01
5	-1.99E+01
6	+2.00E-05



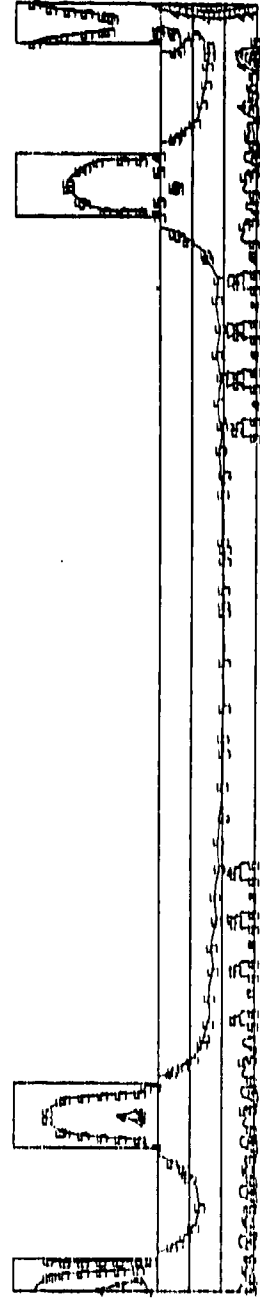
1  
OLMSTED. STRIP METHOD. JUNE 20 START. PL STRN. L1\_3  
TIME COMPLETED IN THIS STEP +5 000E+00 TOTAL ACCUMULATED TIME +2.950E+01 # STEP 14 INCREMENT 5

1	-1.00E+02
2	-5.00E+01
3	-1.99E+01
4	+2.00E+01
5	+5.00E+01
6	+1.00E+02



1  
OLMSTED. STRIP METHOD. JUNE 20 START. PL STRN. L1\_B  
TIME COMPLETED IN THIS STEP +1 500E+01 TOTAL ACCUMULATED TIME +6 450E+01 # STEP 31 INCREMENT 15

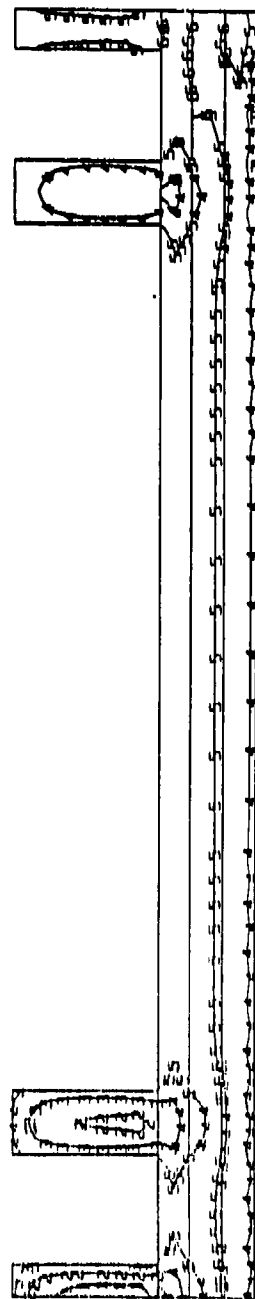
S22  
 VALUE  
 1 -8.60E+01  
 2 -6.20E+01  
 3 -4.40E+01  
 4 -2.60E+01  
 5 -7.99E+00  
 6 +1.00E+01



OLMSTED. STRIP METHOD. JUNE 20 START. PL STAN. L1\_8  
 TIME COMPLETED IN THIS STEP +1.50E+01 TOTAL ACCUMULATED TIME +6.45E+01 STEP 31 INCREMENT 15

533  
VALUE  
1 -3.00E+01  
2 -9.95E+00  
3 +1.00E+01  
4 +3.00E+01  
5 +5.00E+01  
6 +7.00E+01

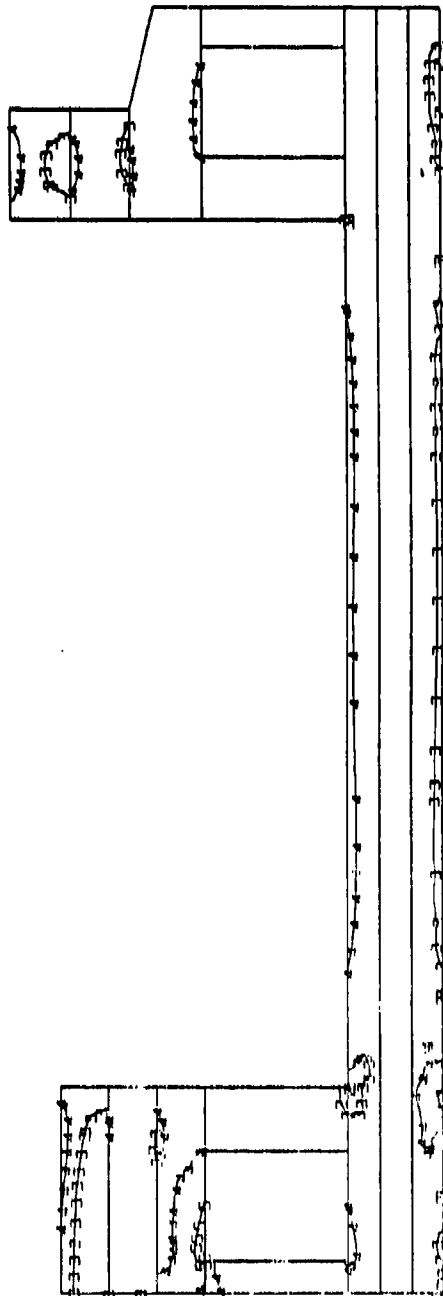
G32



OLMSTED. STRIP METHOD. JUNE 20 START. PL STAN. L1\_8  
TIME COMPLETED IN THIS STEP +: 500E+01 TOTAL ACCUMULATED TIME +5.450E+01 R STEP 31 INCREMENT 15

S11  
VALUE

1	-0.00E+02
2	-1.20E+02
3	-2.99E+01
4	+4.00E+01
5	+1.20E+02
6	+2.00E+02



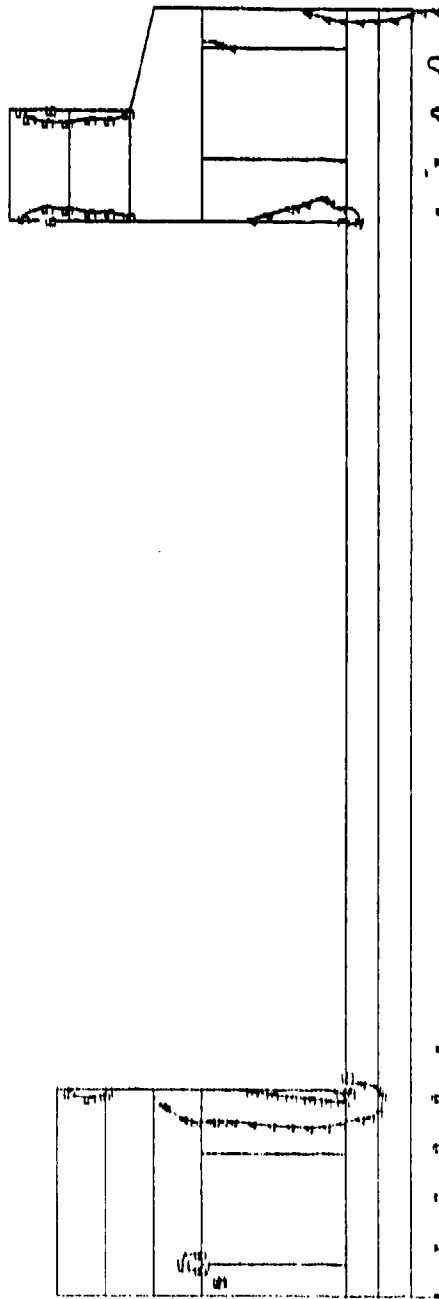
OLMSTED, STRIP METHOD, JUNE 20 START, PL STRN. L114  
TIME COMPLETED IN THIS STEP +3 00CE-00 TOTAL ACCUMULATED TIME +9 450E+01 R STEP 57 INCREMENT 6

522

VALUE

1	-3.00E+02
2	-2.20E+02
3	-1.40E+02
4	-5.93E+01
5	+2.03E+01
6	+1.00E+02

G34

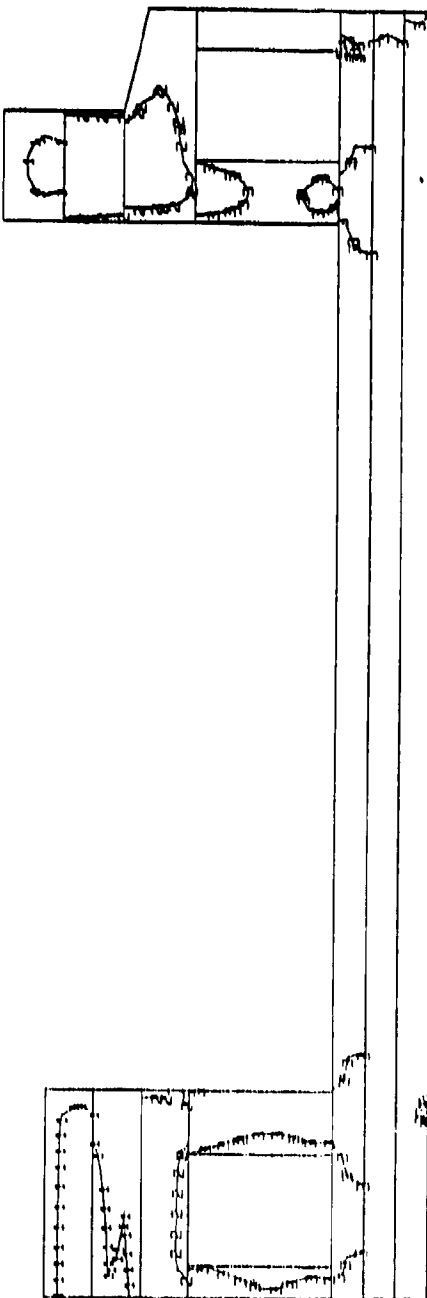


OLMSTED. STRIP METHOD. JUNE 20 START. PL STRN. L114  
 TIME COMPLETED IN THIS STEP +2.000E+00 TOTAL ACCUMULATED TIME +9.450E+01 # STEP 57 INCREMENT 5

533

VALUE

1	-3.90E+01
2	+2.00E+01
3	+1.40E+02
4	+2.50E+02
5	+3.50E+02
6	+5.00E+02

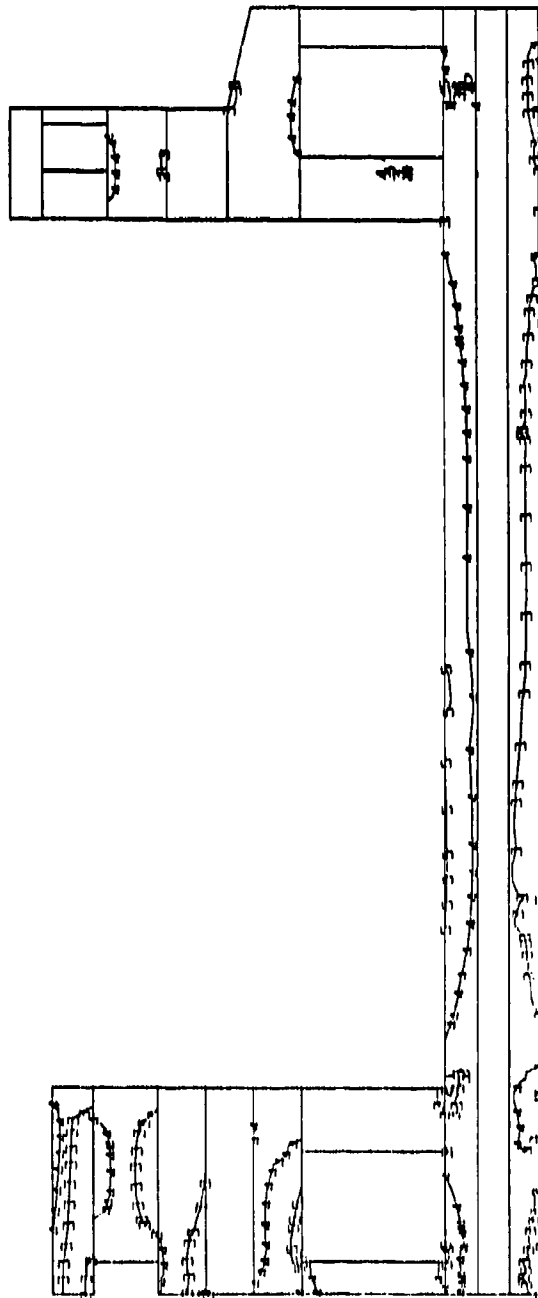


OLMSTED, STRIP METHOD. JUNE 20 START, PL STAN. L114  
 TIME COMPLETED IN THIS STEP +3.00E+00 TOTAL ACCUMULATED TIME +9.450E+01 IN STEP 57 INCREMENT 6



S1:  
VALUE

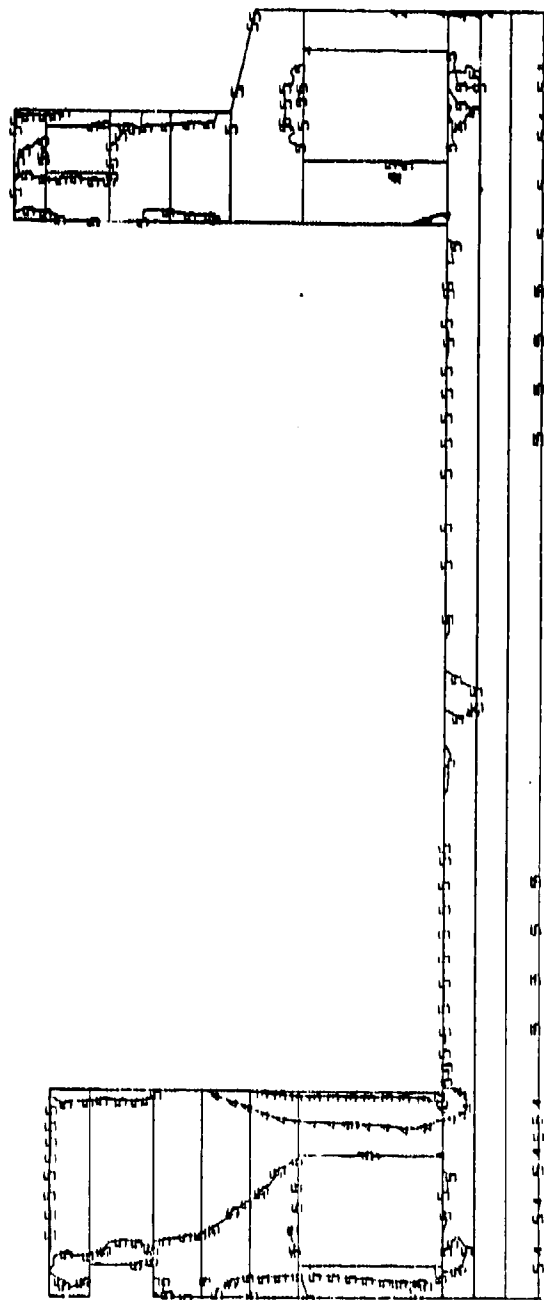
1	-2 00E+02
2	-1.20E+02
3	-3.55E+01
4	+4.00E+01
5	+1.20E+02
5	+2 00E+02



OLMSTED. STRIP METHOD. JUNE 20 START. PL STRN. L118  
TIME COMPLETED IN THIS STEP +5 000E-01 TOTAL ACCUMULATED TIME +1.145E+02 B STEP 75 INCREMENT 1

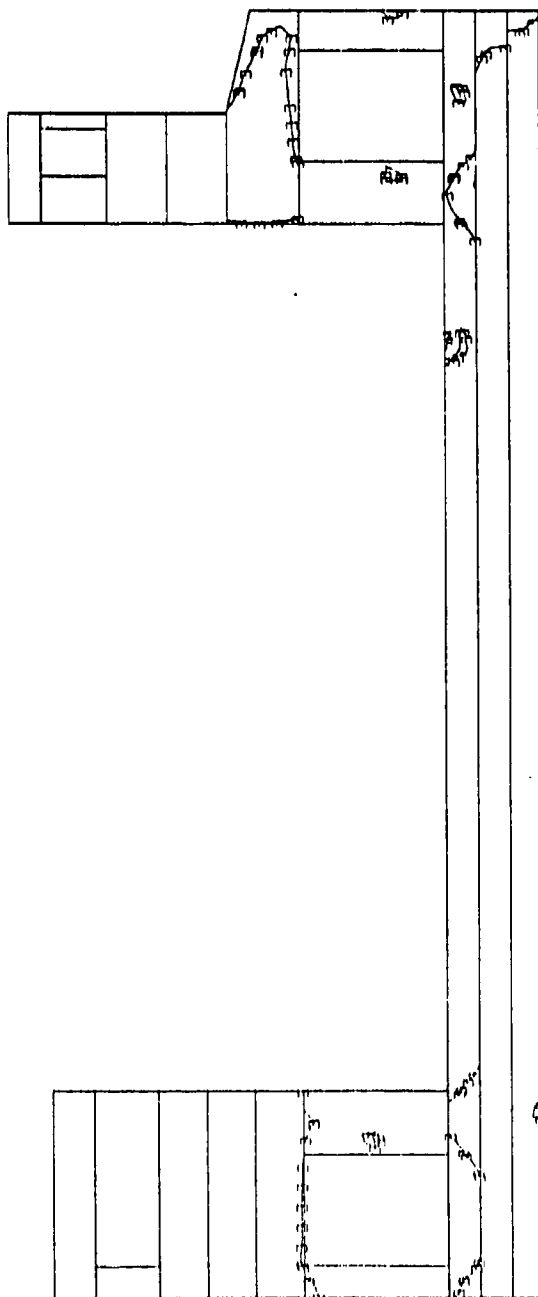
S22  
VALUE

1	-4.00E+02
2	-3.00E+02
3	-2.00E+02
4	-9.99E+01
5	+1.00E+01
6	+1.00E+02



OLMSTED. STRIP METHOD. JUNE 20 START. PL STRN. L118  
TIME COMPLETED THIS STEP +5 000E-01 TOTAL ACCUMULATED TIME +1.145E+02 B STEP 75 INCREMENT 1

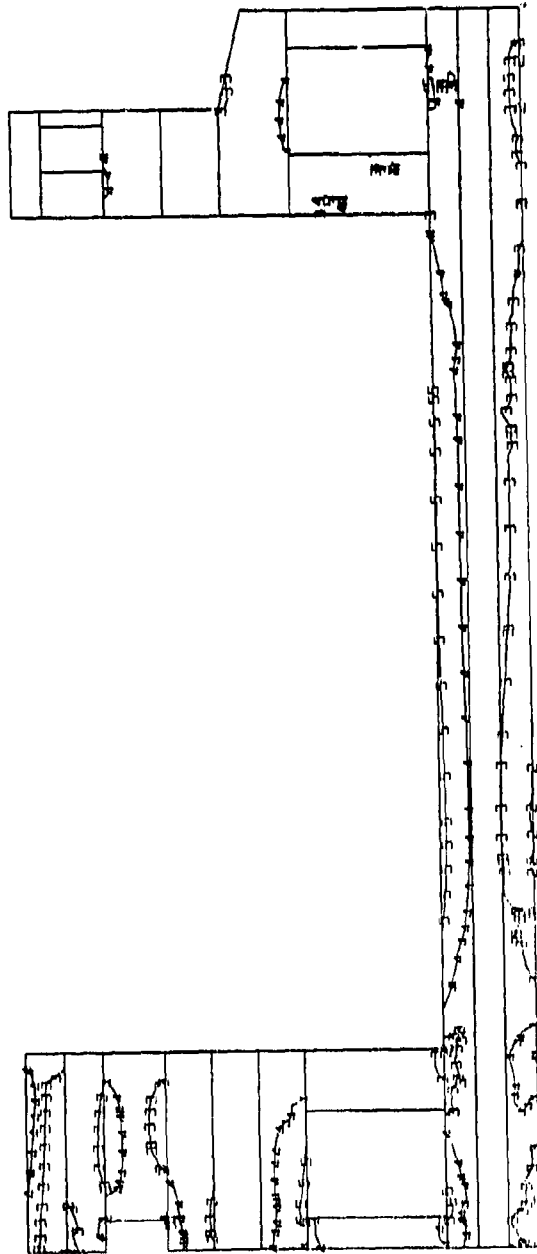
533  
 VALU  
 1 -1.00E+03  
 2 -3.93E+02  
 3 +2.00E+02  
 4 +8.00E+02  
 5 +1.40E+03  
 5 +2.00E+03



OLMSTED, STRIP METHOD, JUNE 20 START, PL STAN, L118  
 TIME COMPLETED IN THIS STEP +5 000E-01 TOTAL ACCUMULATED TIME +1 145E+02 # STEP 75 INCREMENT 1

S11  
VALUE

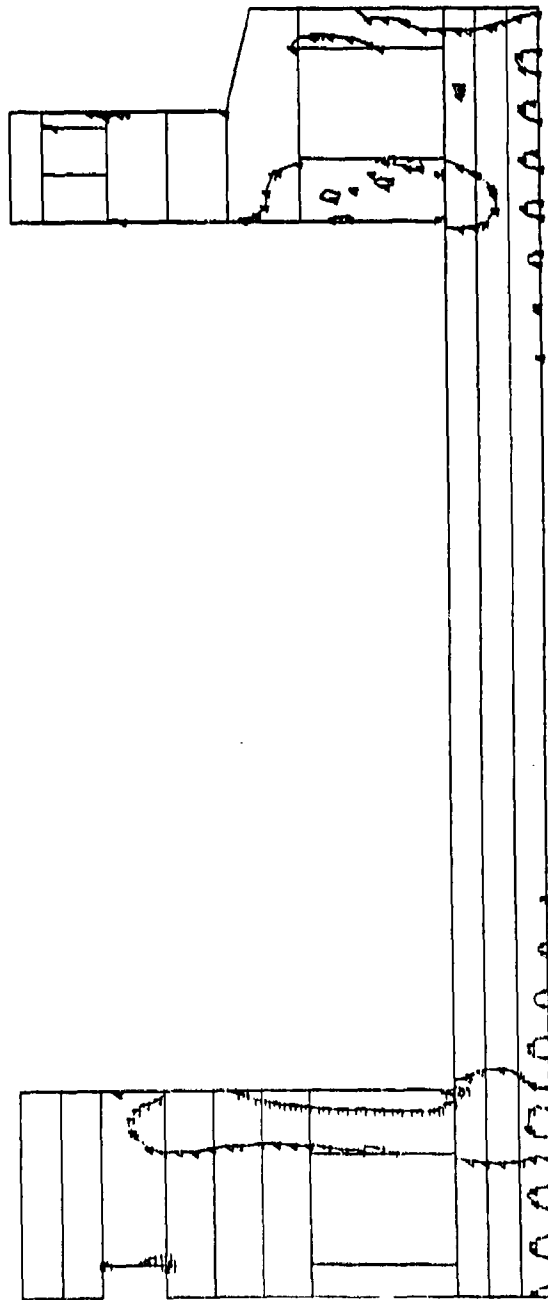
1	-2.00E+02
2	-1.20E+02
3	-3.99E+01
4	+4.00E+01
5	+1.20E+02
6	+2.00E+02



OLMSTED, STRIP METHOD, JUNE 20 START, PL STRN, L119  
 TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.195E+02 B STEP 79 INCREMENT 6

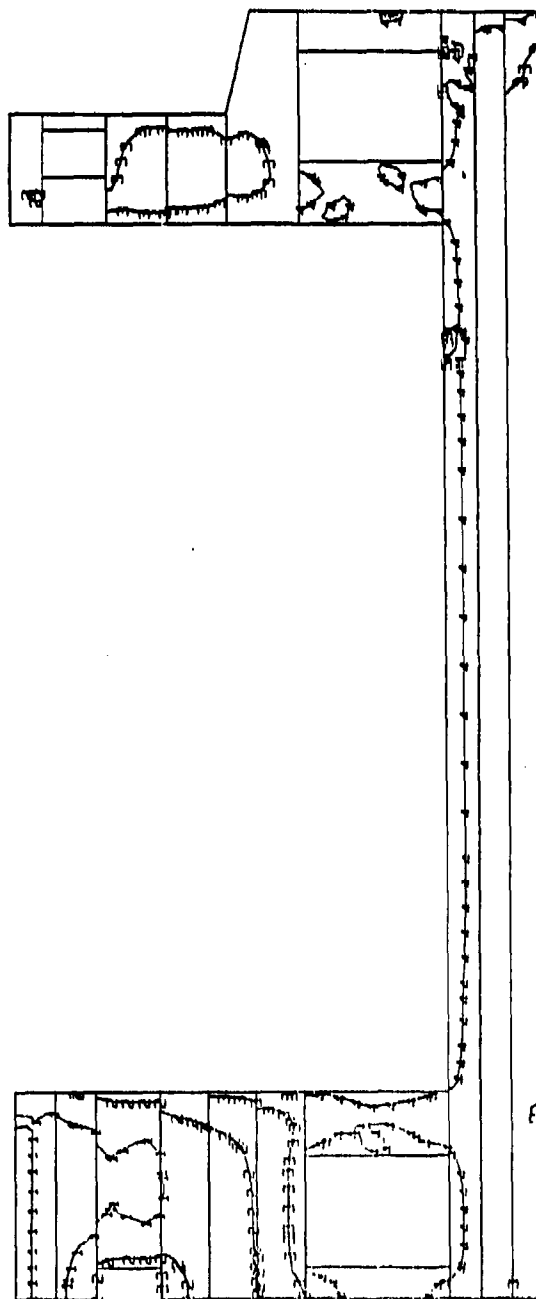
S22  
VALUE

1	-4.00E+02
2	-2.80E+02
3	-1.60E+02
4	-3.95E+01
5	+8.00E+01
6	+2.00E+02



OLMSTED, STRIP METHOD, JUNE 20 START, PL STRN, L119  
TIME COMPLETED: THIS STEP 17 000E+00 TOTAL ACCUMULATED TIME +1.195E+02 STEP 79 INCREMENT 6

S33  
VALUE  
1 -9.99E+01  
2 +2.00E+01  
3 +1.40E+02  
4 +2.60E+02  
5 +3.80E+02  
6 +5.00E+02

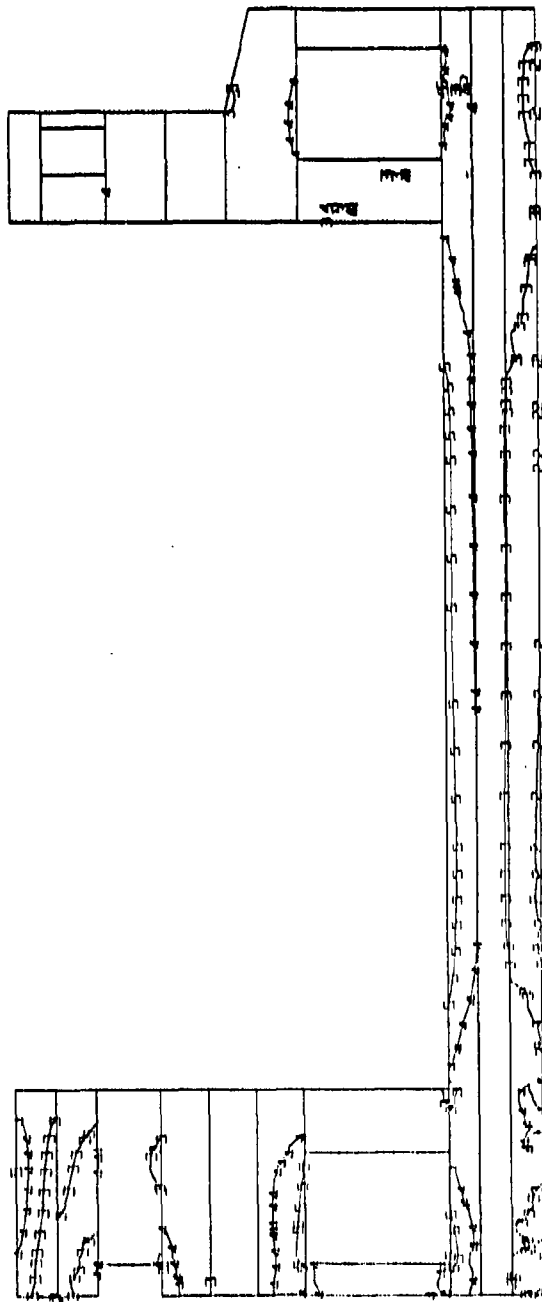


OLMSTED. STRIP METHOD, JUNE 20 START, PL STAN, L119  
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.195E+02 STEP 79 INCREMENT 6

S11

VALUE

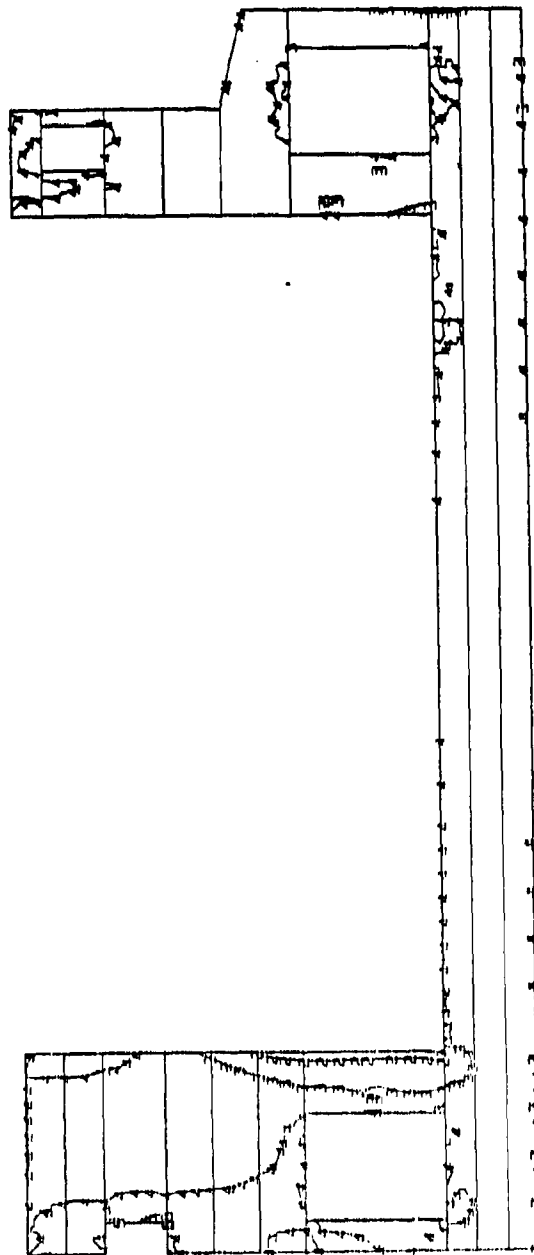
1	-2.00E+02
2	-1.20E+02
3	-3.95E+01
4	+4.00E+01
5	+1.20E+02
6	-2.00E+02



OLMSTED. STRIP METHOD. JUNE 20 START. PL STAN. L119  
 TIME COMPLETED IN THIS STEP +1 300E+01 TOTAL ACCUMULATED TIME +1 325E+02 F STEP 80 INCREMENT 13

C22  
VALUE

1 -3.00E+02  
2 -2.00E+02  
3 -9.99E+01  
4 +1.00E-04  
5 +1.00E+02  
6 +2.00E+02



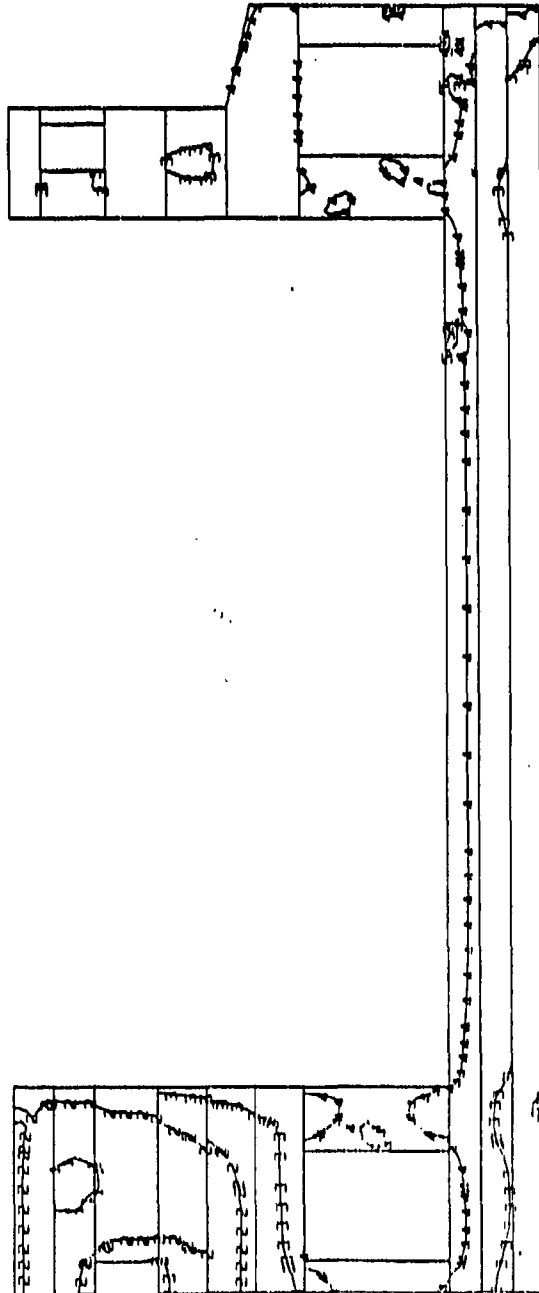
OLMSTED, STRIP METHOD. JUNE 20 START, PL STRN, L119  
TIME COMPLETED IN THIS STEP +1.300E+01 TOTAL ACCUMULATED TIME +1.325E+02 STEP 80 INCREMENT 13



533

VALUE

1	-9.99E+01
2	+4.00E+01
3	+1.80E+02
4	+3.20E+02
5	+4.60E+02
6	+6.00E+02

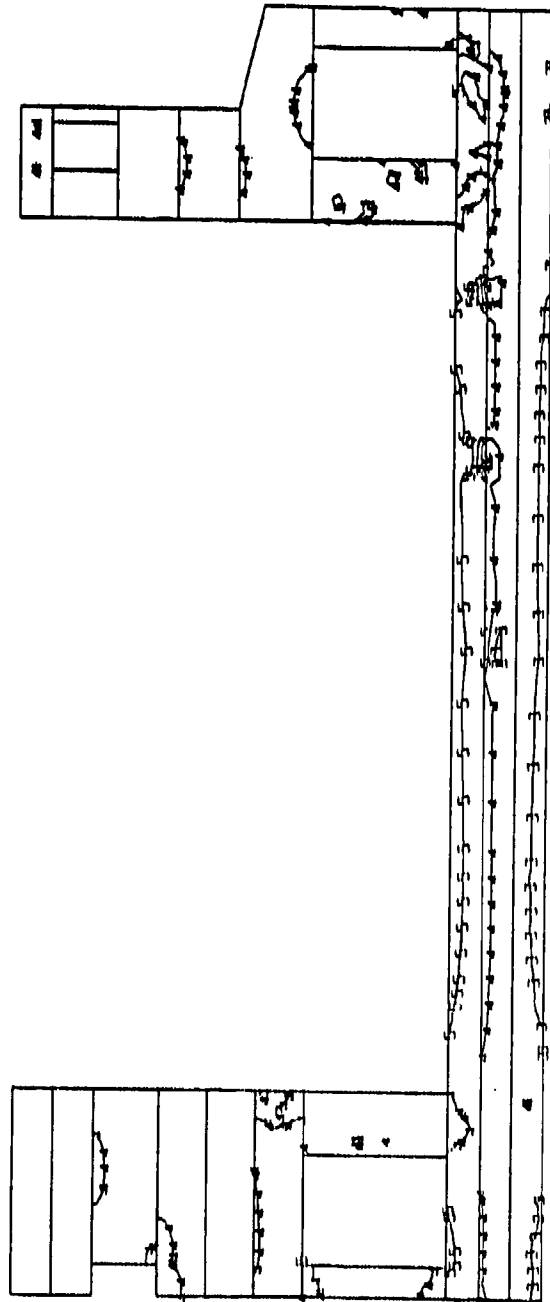


OLMSTED, STRIP METHOD. JUNE 20 START. PL STAN. L119

TIME REQUIRED IN THIS STEP +1.300E+01 TOTAL ACCUMULATED TIME +1.325E+02 \$ STEP 90 INCREMENT 13

S11  
VALUE

1	-4.00E+02
2	-2.60E+02
3	-1.19E+02
4	+2.00E+01
5	+1.60E+02
6	+3.00E+02

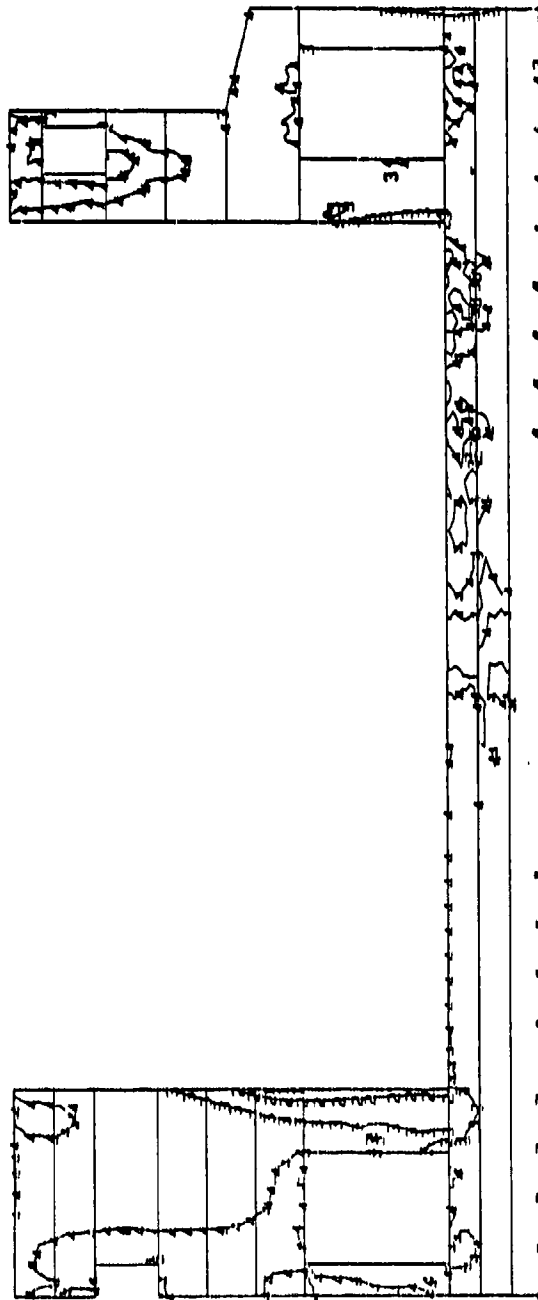


1  
OLMSTED, STRIP METHOD, JUNE 20 START, PL STRN, L119

TIME COMPLETED THIS STEP +5.000E+01 TOTAL ACCUMULATED TIME +1.833E+02 STEP 02 INCREMENT 25

522  
VALUE

1	-3.00E+02
2	-2.00E+02
3	-9.99E+01
4	+1.00E-04
5	+1.00E+02
6	+2.00E+02

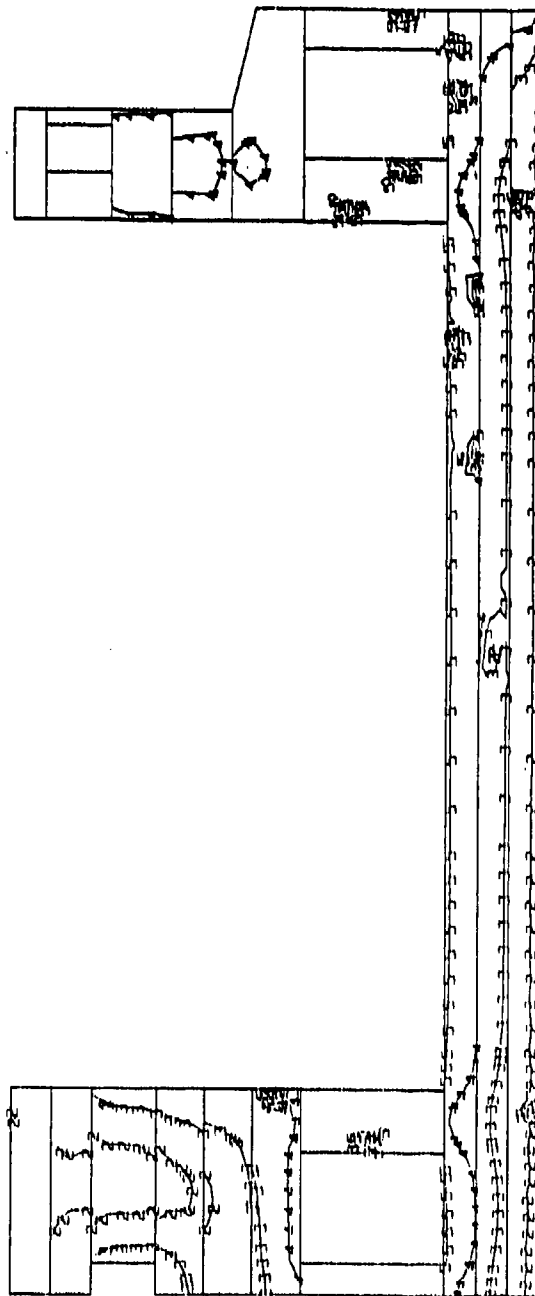


1  
OLMSTED. STRIP METHOD. JUNE 20 START. PL STRN. L119  
TIME COMPLETED IN THIS STEP +5.000E+01 TOTAL ACCUMULATED TIME +1.835E+02 S STEP 52 INCREMENT 25

533

VALUE

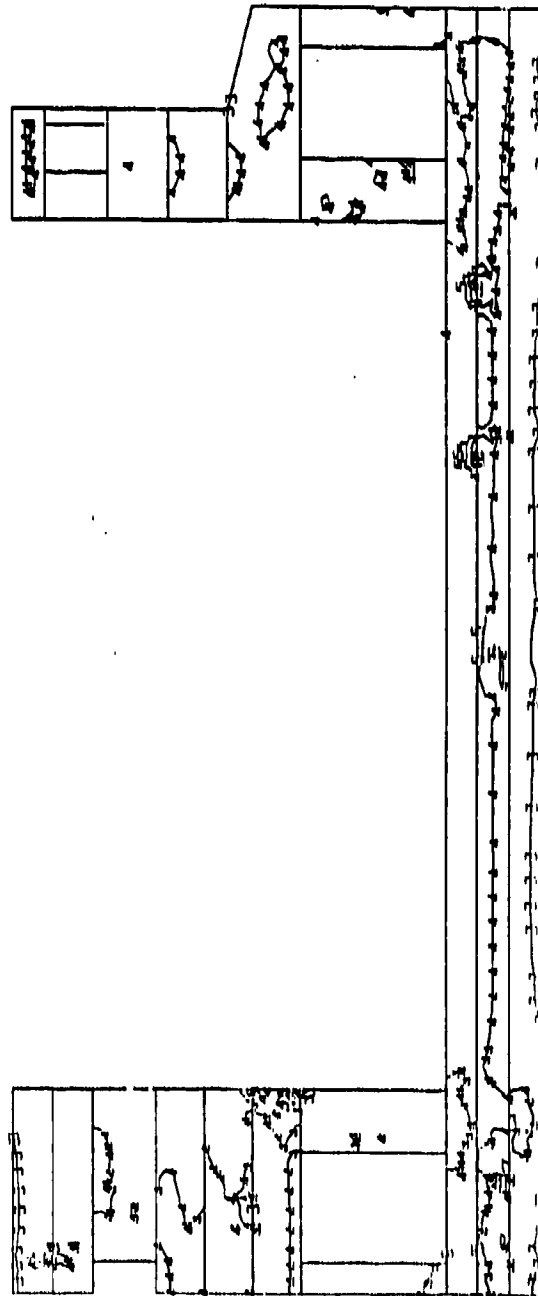
- 1 +1.00E+02
- 2 +2.20E+02
- 3 +3.40E+02
- 4 +4.60E+02
- 5 +5.80E+02
- 6 +7.00E+02



OLMSTED, STRIP METHOD, JUNE 20 START, PL STRN. L119

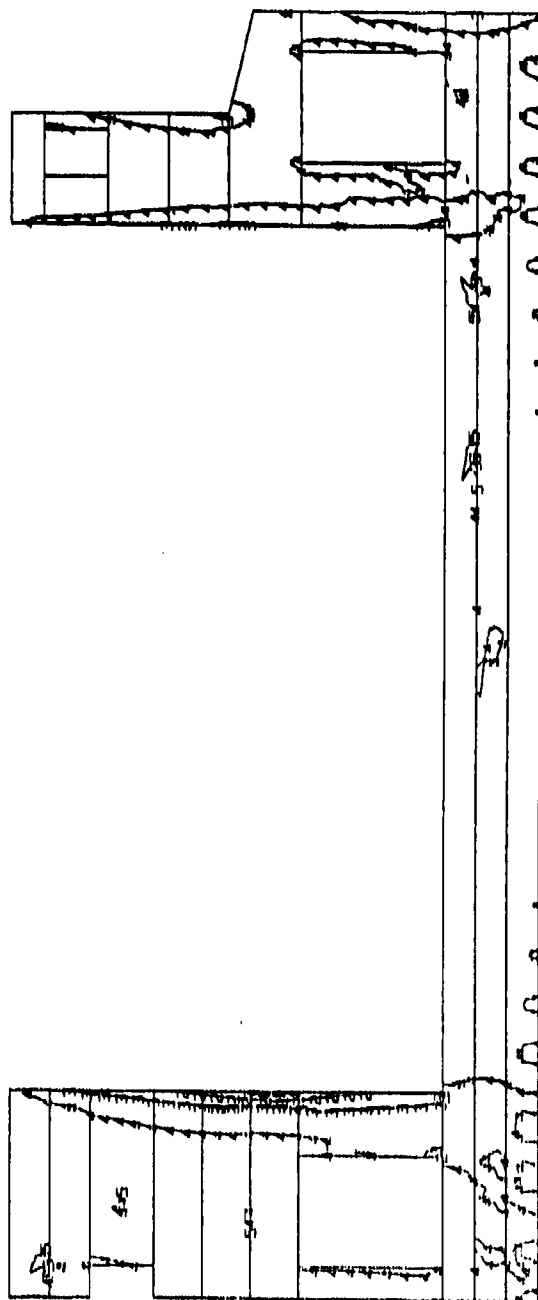
TIME COMPLETED THIS STEP -2.00E+01 TOTAL ACCUMULATED TIME +1.935E+02 \$ STEP 62 INCIDENT 25

511  
VALUE  
1 -4.00E+02  
2 -2.60E+02  
3 -1.19E+02  
4 +2.00E+01  
5 +1.60E+02  
6 +3.00E+02



OLMSTED. STRIP METHOD. JUNE 20 START. PL STRN. L119  
TIME COMPLETED IN 14-15 STEP +1.00E+02 TOTAL ACCUMULATED TIME +2.35E+02 STEP 02 INCREMENT 50

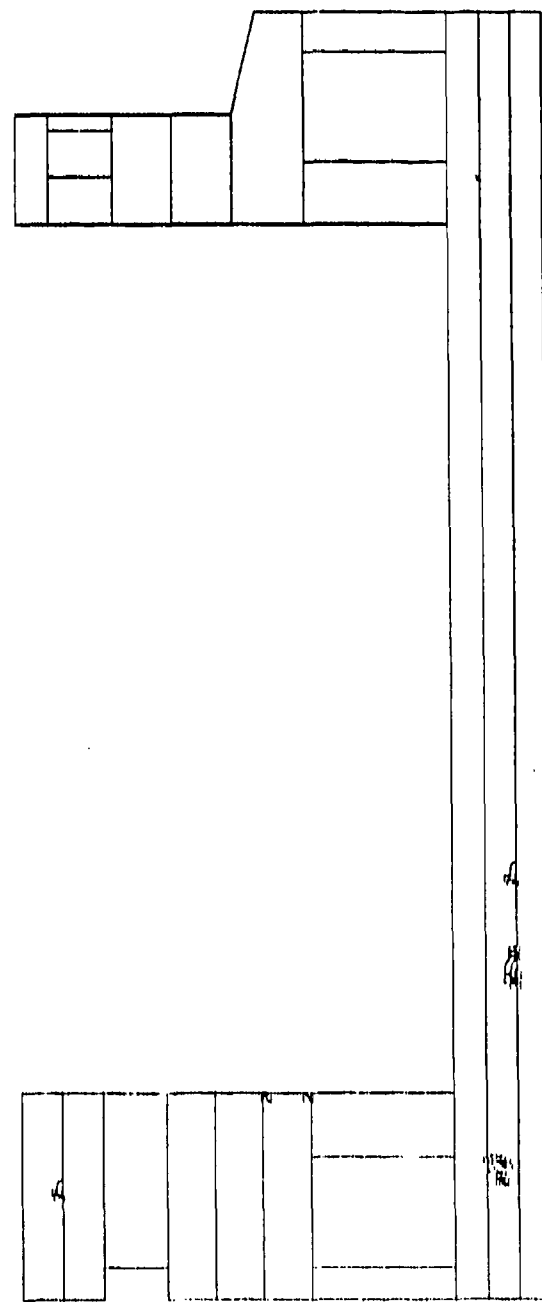
S22  
VALUE  
1 -4.00E+02  
2 -2.80E+02  
3 -1.60E+02  
4 -3.99E+01  
5 +8.00E+01  
6 +2.00E+02



OLMSTED, STRIP METHOD, JUNE 20 START, PL STAN, L119  
TIME COMPLETED 1.1 HRS STEP 12 000E+02 INITIAL ACCUMULATED TIME +2 335E+02 R STEP R2 INCREMENT 50

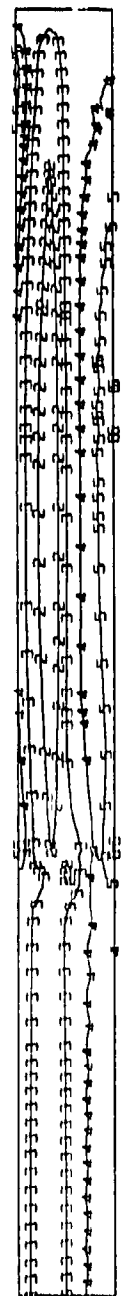
S23  
VALUE

- 1 -5 90E+02
- 2 +1.00E+03
- 3 +1.00E+03
- 4 +2.00E+03
- 5 +3.00E+03
- 6 +4.00E+03



OLMSTED. STRIP METHOD. JUNE 20 START. PL STAN. L119  
TIME FROM START TO THIS STEP +1 000E+02 TOTAL ACCUMULATED TIME -2 135E+02 \$ STEP 02 INCREMENT 50

S:1  
 VALUE  
 1 -2.00E+02  
 2 -6.00E+01  
 3 -1.99E+01  
 4 +2.00E+01  
 5 -6.00E+01  
 6 +1.00E+02

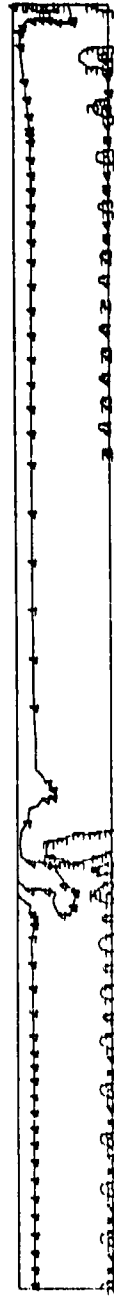


OLMSTED. BLOCK METHOD. JUNE 20 START. PL STRS. L1\_4  
 TIME COMPLETED IN THIS STEP +1 000E+01 TOTAL ACCUMULATED TIME +2 950E+01 IN STEP 15 INCREMENT 10



522  
VALUE

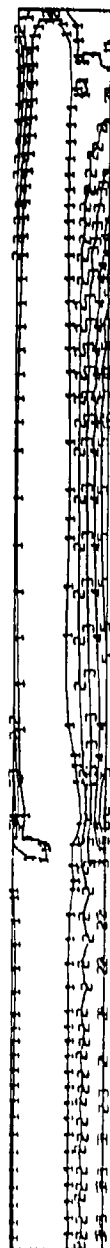
1	-5 00E+01
2	-3.40E+01
3	-1 80E+01
4	-1.99E+00
5	+1.40E+01
6	+3 00E+01



OLIMSTED. BLOCK METHOD. JUNE 20 START. PL STRS. L1\_4  
TIME COMPLETED IN THIS STEP +1 000E+01 TOTAL ACCUMULATED TIME +2 950E+01 STEP 16 INCREMENT 10

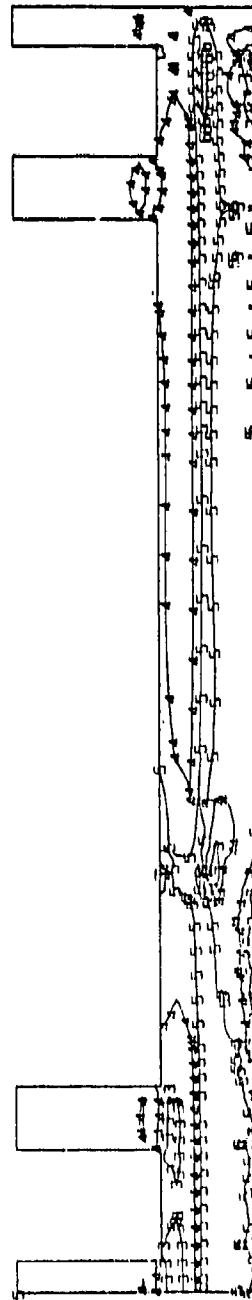
PRINT  
VALUE

1	+1.00E+01
2	+2.80E+01
3	+4.50E+01
4	+6.40E+01
5	+8.20E+01
6	+1.00E+02



OLMSTED. BLOCK METHOD. JUNE 20 START. PL STRS. L1\_4  
TIME COMPLETED IN THIS STEP +1.00E+01 TOTAL ACCUMULATED TIME +2.95E+01 STEP 16 INCREMENT 10

S11  
 VALUE  
 1 -6.00E+01  
 2 -4.20E+01  
 3 -2.40E+01  
 4 -5.99E+00  
 5 +1.20E+01  
 6 +3.00E+01

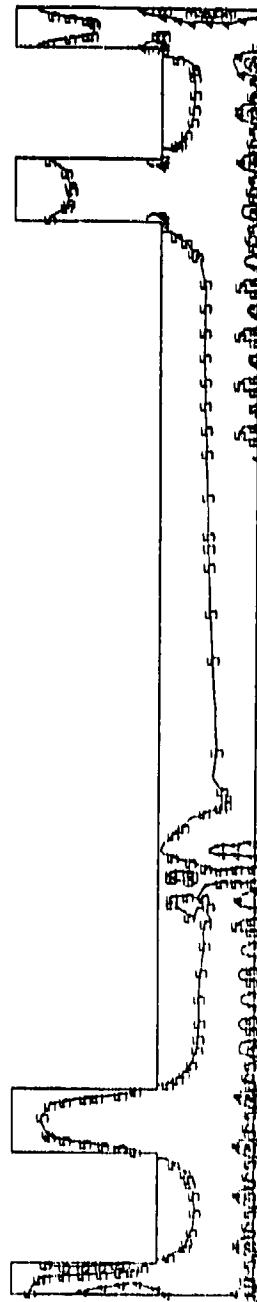


1  
 OLMSTED, BLOCK METHOD, JUNE 20 START, PL STRS, L1\_8  
 TIME COMPLETED IN THIS STEP +1.400E+01 TOTAL ACCUMULATED TIME +6.450E+01 STEP 33 INCREMENT 15

S22  
VALUE

1	-7.00E+01
2	-5.40E+01
3	-3.80E+01
4	-2.20E+01
5	-5.99E+00
6	+1.00E+01

G55



OLMSTED, BLOCK METHOD, JUNE 20 START, PL STRS, L1\_8  
TIME COMPLETED IN THIS STEP +1.500E+01 TOTAL ACCUMULATED TIME +6.450E+01 STEP 33 INCREMENT 15

```

PRINT
VALUE
1      +8.00E-06
2      +8.00E+00
3      +1.60E+01
4      +2.40E+01
5      +3.20E+01
6      +4.00E+01

```

G56

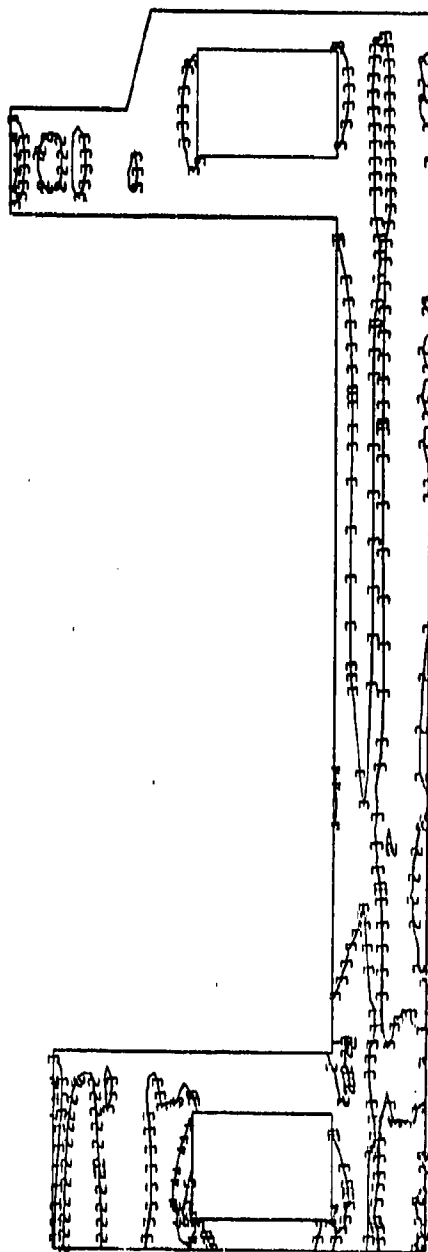


1  
OLMSTED. BLOCK METHOD. JUNE 20 START. PL STRS. L1\_8  
TIME COMPLETED III THIS STEP: +1.00E+01 TOTAL ACCUMULATED TIME +6.450E+01 STEP 33 INCREMENT 15

S11  
VALUE

1	-1.00E+02
2	-3.99E+01
3	+2.00E+01
4	+8.00E+01
5	+1.40E+02
6	+2.00E+02

Q57



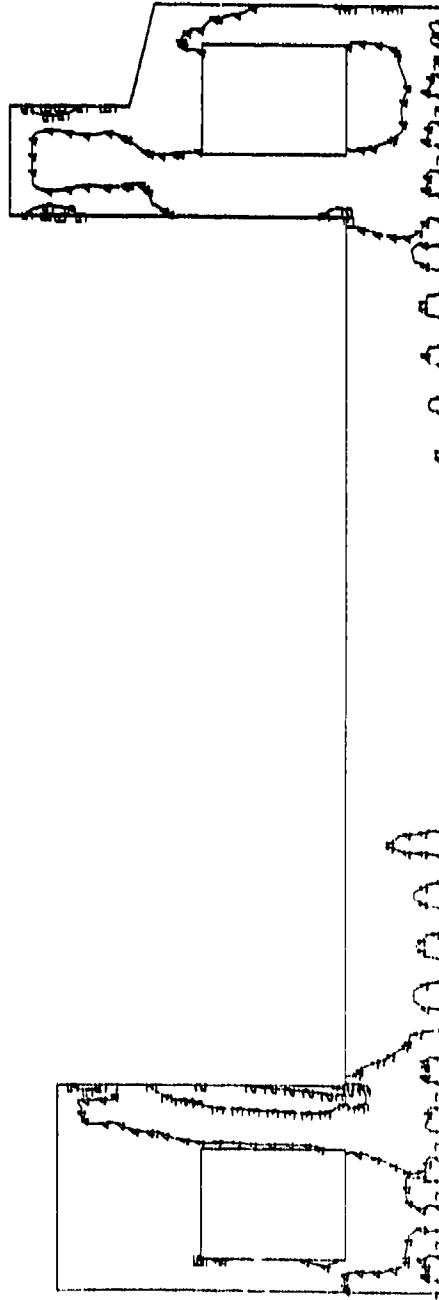
1  
OLMSTED. BLOCK METHOD. JUNE 20 START. PL STRS. L114  
TIME CD-49 F110 12 11415 STEP +3 000F-00 TOTAL ACCUMULATED TIME +9 450E+01 B STEP 59 INCREMENT 6

S22

VALUE

1	-2.00E+02
2	-1.40E+02
3	-8.00E+01
4	-1.95E+01
5	+4.00E+01
6	+1.00E+02

G58

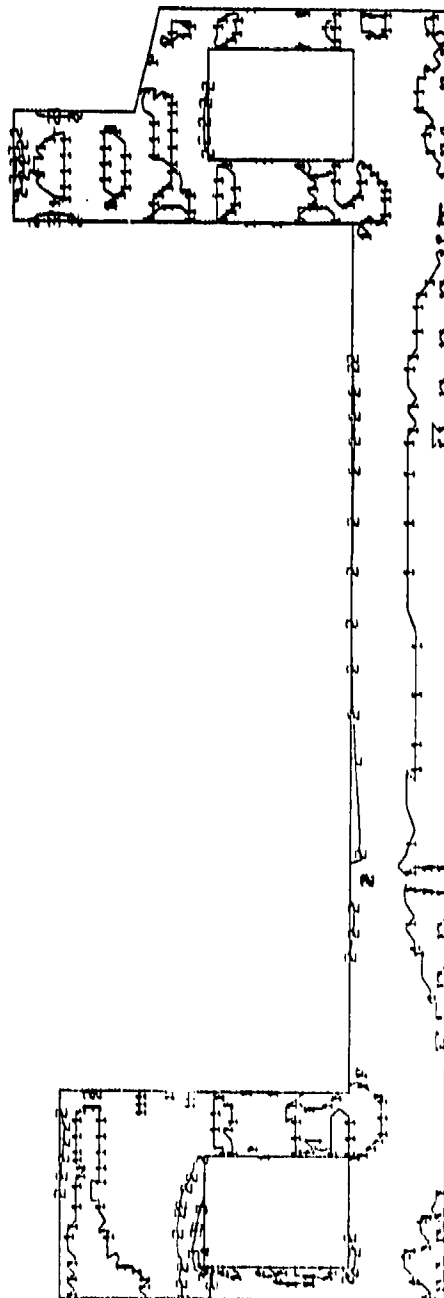


CLMSTED, BLOCK METHOD, JUNE 20 START, PL STRS, L114  
 TIME COMPLETED IN THIS STEP +3 000E+00 TOTAL ACCUMULATED TIME +9 450E+01 STEP 59 INCREMENT 6

PRINT  
VALUE

1	+5.00E-05
2	+5.00E+01
3	+1.20E+02
4	+1.80E+02
5	+2.40E+02
6	+3.00E+02

G59



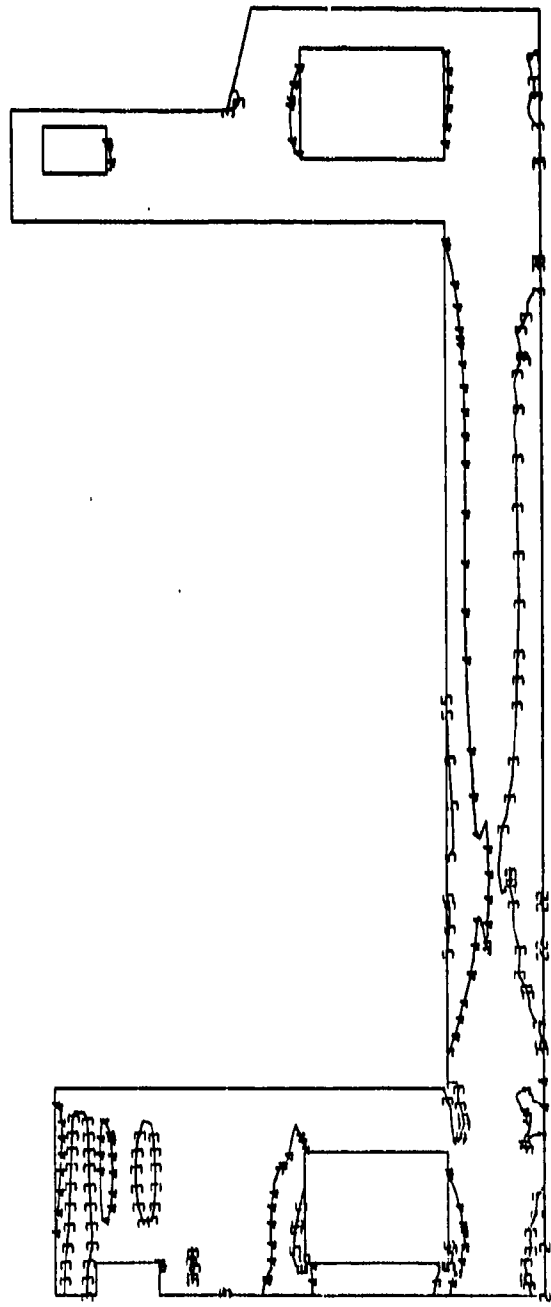
OLMSTED, BLOCK METHOD, JUNE 20 START, PL STRS, L114

TIME COMPLETED IN THIS STEP +3.00E+00 TOTAL ACCUMULATED TIME +9.45E+01 IN STEP 50 INCREMENT 5



S11  
VALUE

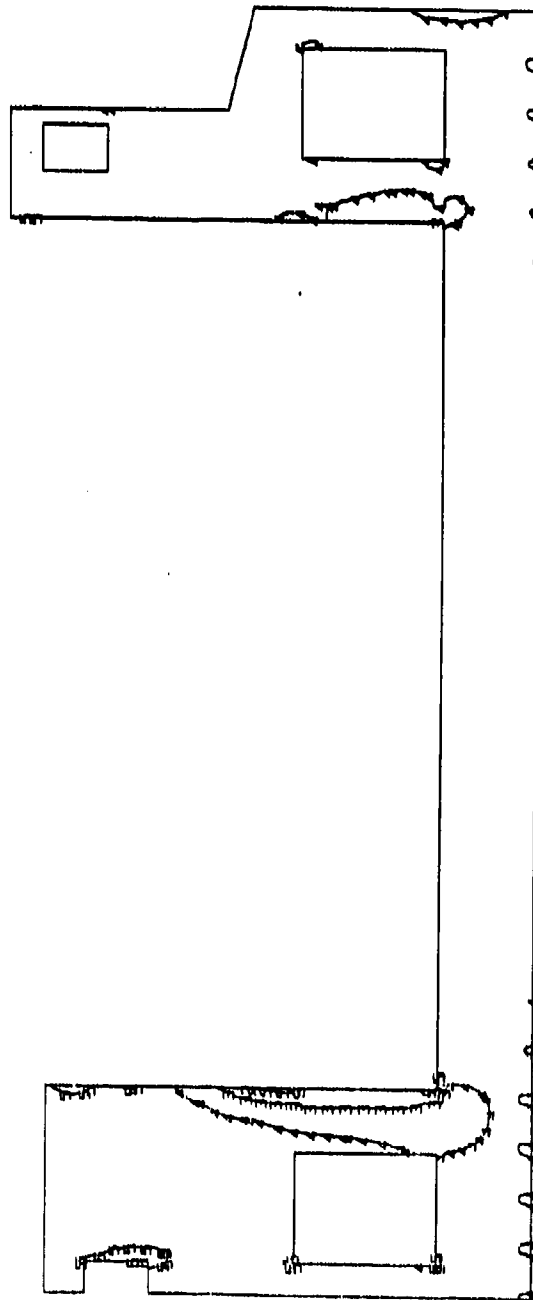
- 1 -2.00E+02
- 2 -1.20E+02
- 3 -3.99E+01
- 4 +4.00E+01
- 5 +1.20E+02
- 6 +2.00E+02



OLMSTED. BLOCK METHOD. JUNE 20 START. PL STRS. L118  
TIME COMPLETED IN THIS STEP +5 000E-01 TOTAL ACCUMULATED TIME +1.145E+02 STEP 77 INCREMENT 1

S22  
VALUE

1	-3.00E+02
2	-2.20E+02
3	-1.40E+02
4	-5.99E+01
5	+2.00E+01
6	+1.00E+02

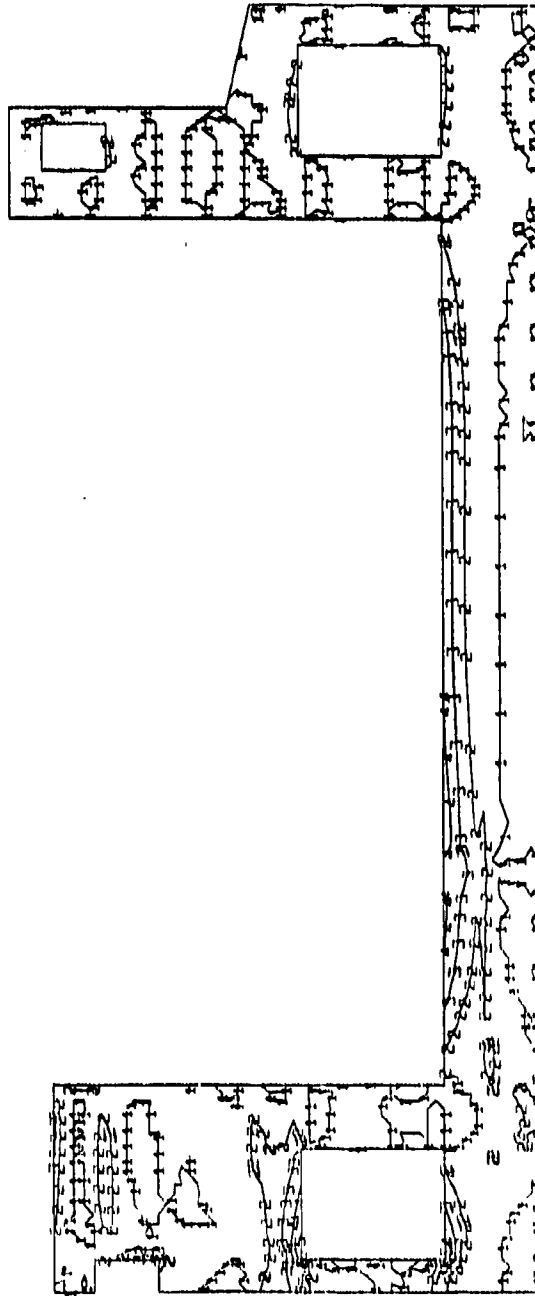


OLMSTED, BLOCK METHOD, JUNE 20 START, PL STRS. L118  
 TIME COMPLETED IN THIS STEP +5.000E-01 TOTAL ACCUMULATED TIME +1.145E+02 STEP 77 INCREMENT 1

```

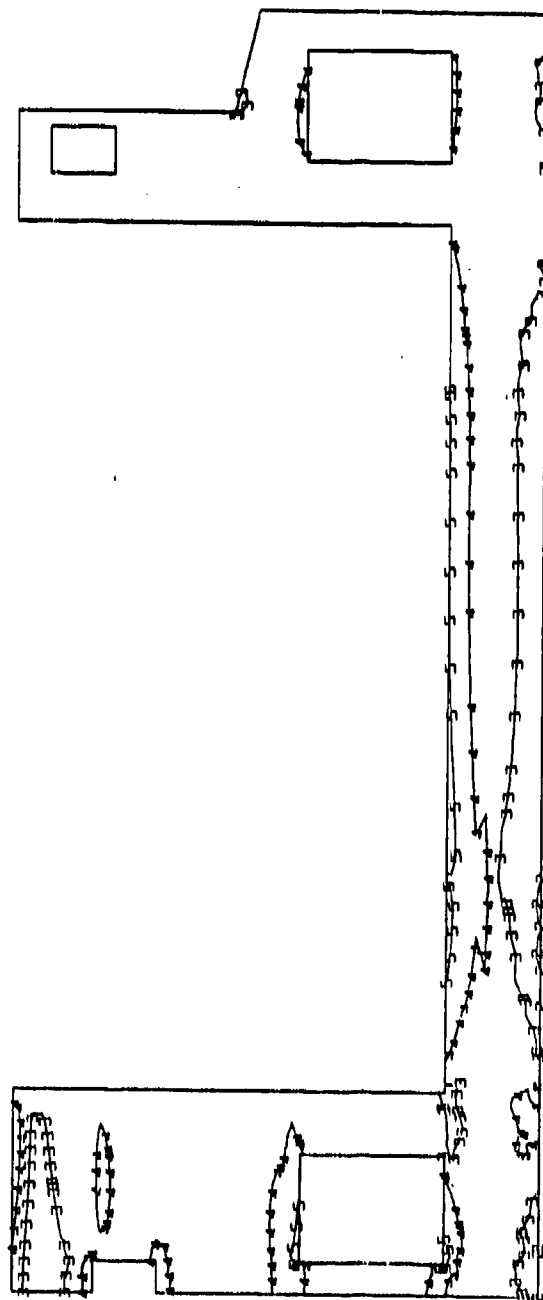
PRINT
VALUE
1      +4.00E-05
2      +4.00E+01
3      +8.00E+01
4      +1.20E+02
5      +1.60E+02
6      +2.00E+02

```



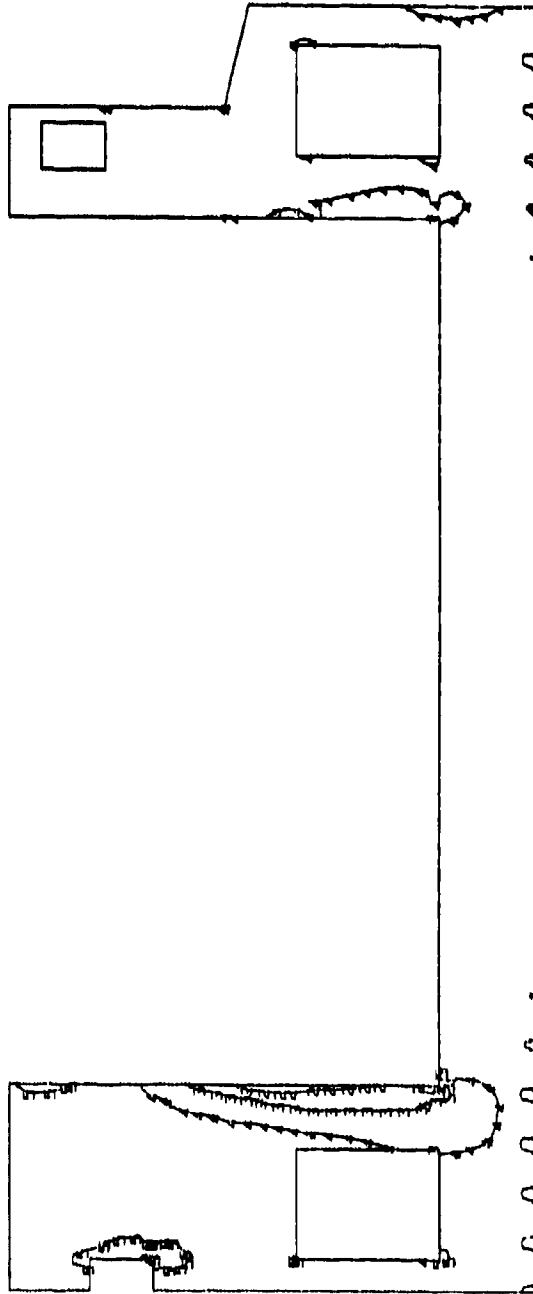
1  
 OLMSTED. BLOCK METHOD. JUNE 20 START. PL STRS. L116  
 TIME COMPLETED IN THIS STEP +5.000E-01    TOTAL ACCUMULATED TIME +1.145E+02    STEP 77 INCREMENT 1

SU1	
VALUE	
1	-2.00E+02
2	-1.20E+02
3	-3.99E+01
4	+4.00E+01
5	+1.20E+02
6	+2.00E+02



OLMSTED, BLOCK METHOD, JUNE 20 START, PL STRS. L119  
 TIME COMP. ETEG. TO 2:15.5"ET +3 CODE+00 TOTAL ACCUMULATED TIME +1 195E+02 P STEP 81 INCREMENT 6

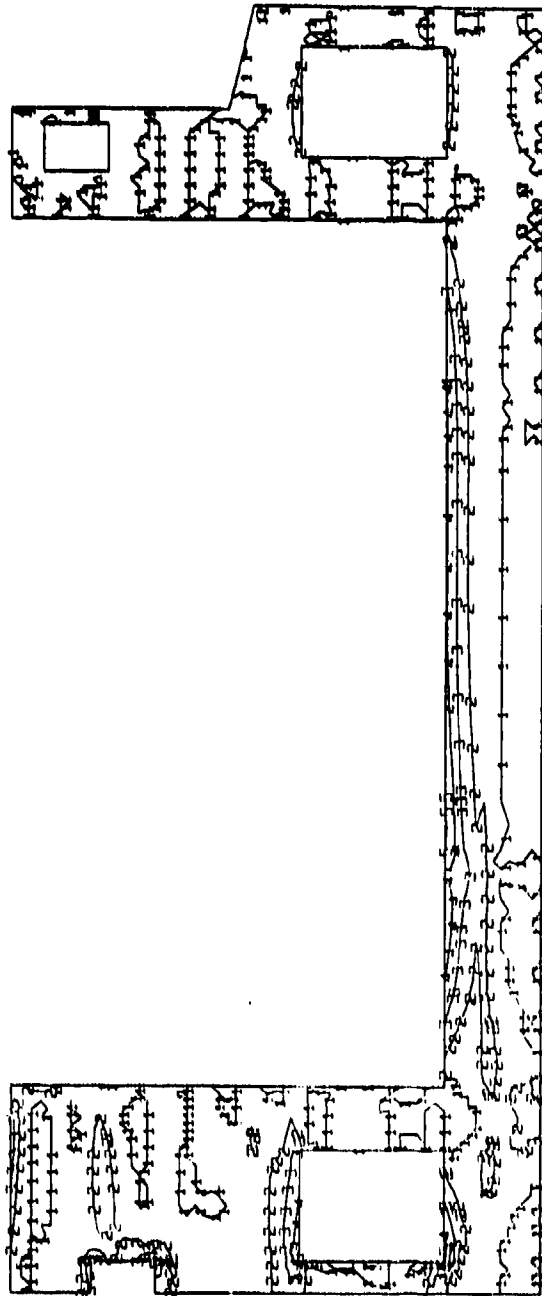
S22  
VALUE  
1 -3.00E+02  
2 -2.20E+02  
3 -1.40E+02  
4 -5.99E+01  
5 +2.00E+01  
6 +1.00E+02



OLMSTED, BLOCK METHOD, JUNE 20 START, PL STRS, L119  
TIME COMPLETED 10:11 STEP +2 00:00:00 TOTAL ACCUMULATED TIME +1 19:56:02 # STEP 81 INCREMENT 6

PRINT  
VALUE

1	+4.00E-05
2	+4.00E+01
3	+8.00E+01
4	+1.20E+02
5	+1.60E+02
6	+2.00E+02

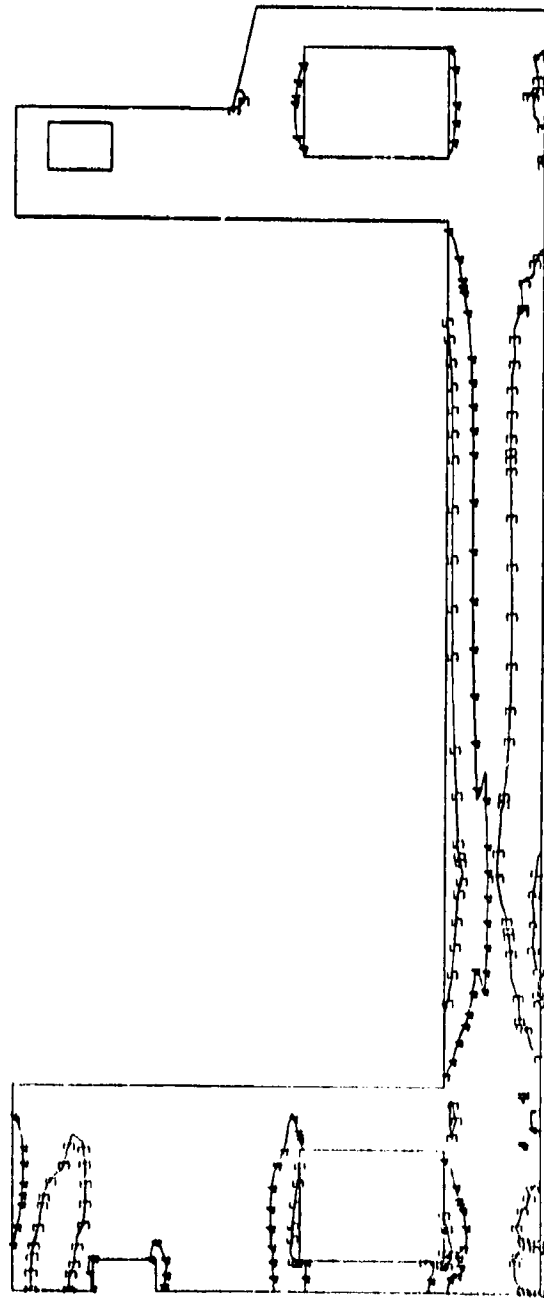


G65

OLMSTED. BLOCK METHOD. JUNE 20 START. PL STRS. L119  
TIME COMPLETED IN THIS STEP +3 000E+00 TOTAL ACCUMULATED TIME +1 195E+02 # STEP B1 INCREMENT 6

S11  
VALUE

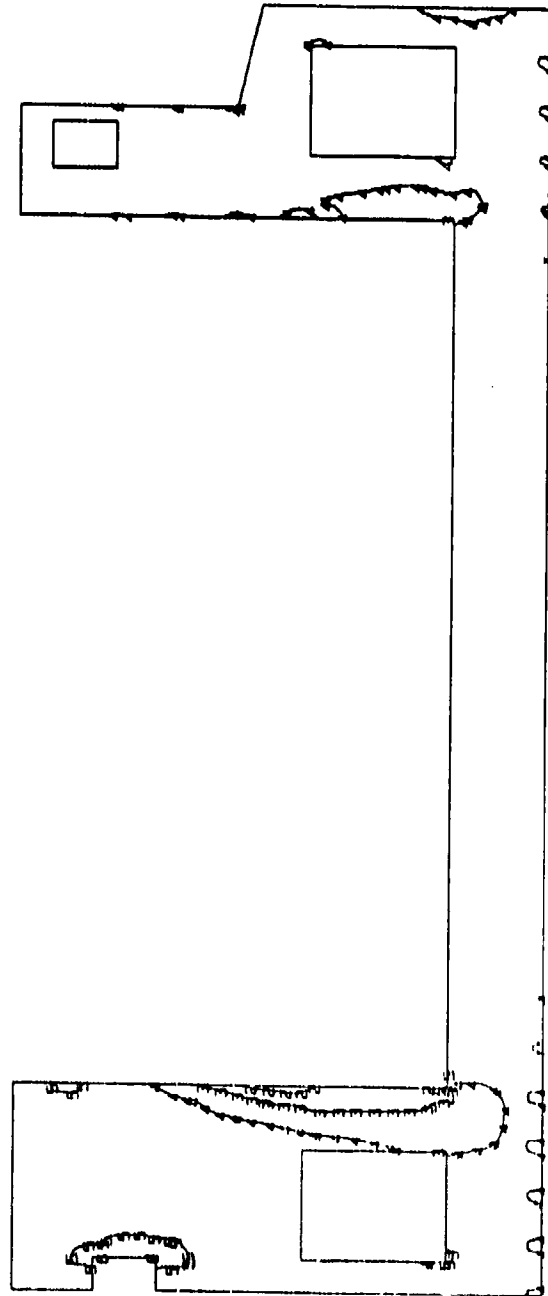
1	-2.00E+02
2	-1.20E+02
3	-3.99E+01
4	+4.00E+01
5	+1.20E+02
6	+2.00E+02



OLMSTED, BLOCK METHOD, JUNE 20 START, PL STRS, L119  
 TOTAL ACCUMULATED TIME +1 325E+02 B STEP 82 INCREMENT 13

S22  
VALUE

1	-3.00E+02
2	-2.20E+02
3	-1.40E+02
4	-5.90E+01
5	+2.00E+01
6	+1.00E+02



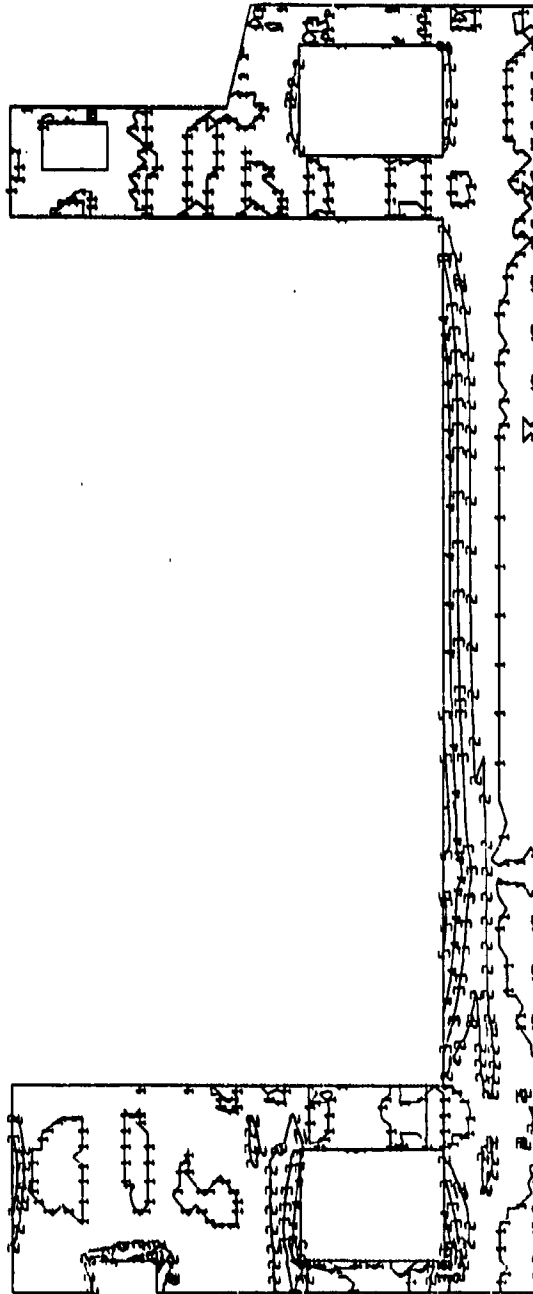
1  
OLMSTED, BLOCK METHOD, JUNE 20 START, PL STRS, L119

TIME COMPLETED IN THIS STEP +1.30E+01 TOTAL ACCUMULATED TIME +1.325E+02 8 STEP 82 INCREMENT 13



TIME  
VALUE

1	+4.00E-05
2	+4.00E+01
3	+8.00E+01
4	+1.20E+02
5	+1.50E+02
6	+2.00E+02

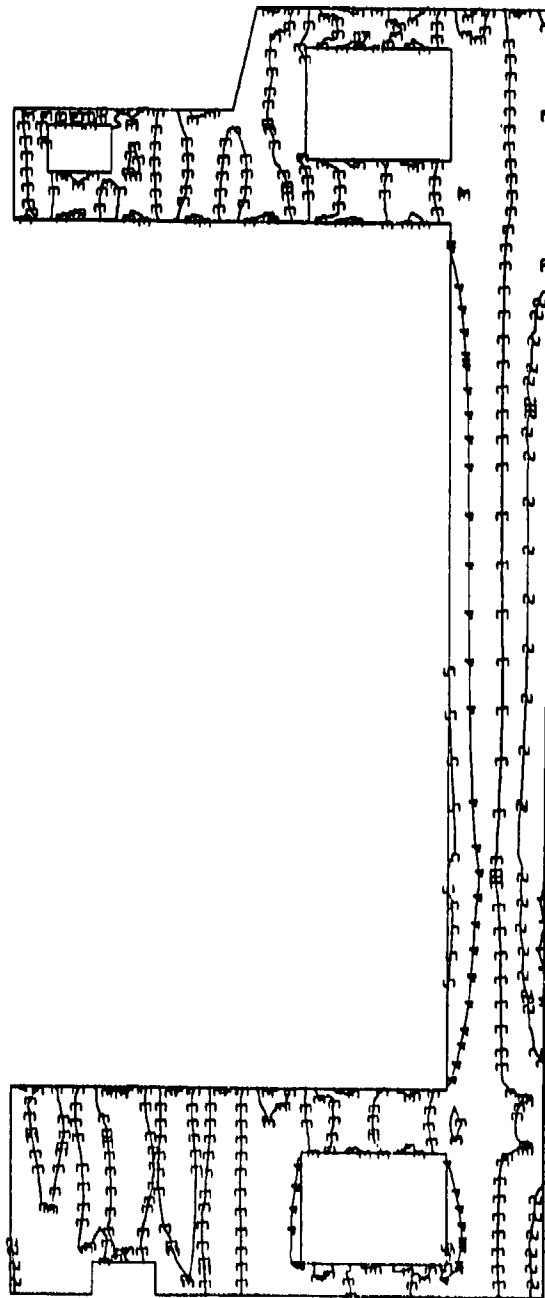


G68

OLMSTED, BLOCK METHOD, JUNE 20 START, PL STRS, L119  
TIME COMPLETED IN THIS STEP +1 300E+01 TOTAL ACCUMULATED TIME +1 325E+02 # STEP 02 INCREMENT 13

S11  
VALUE

1	-2.00E+02
2	-9.99E+01
3	+1.00E-04
4	+1.00E+02
5	+2.00E+02
6	+3.00E+02

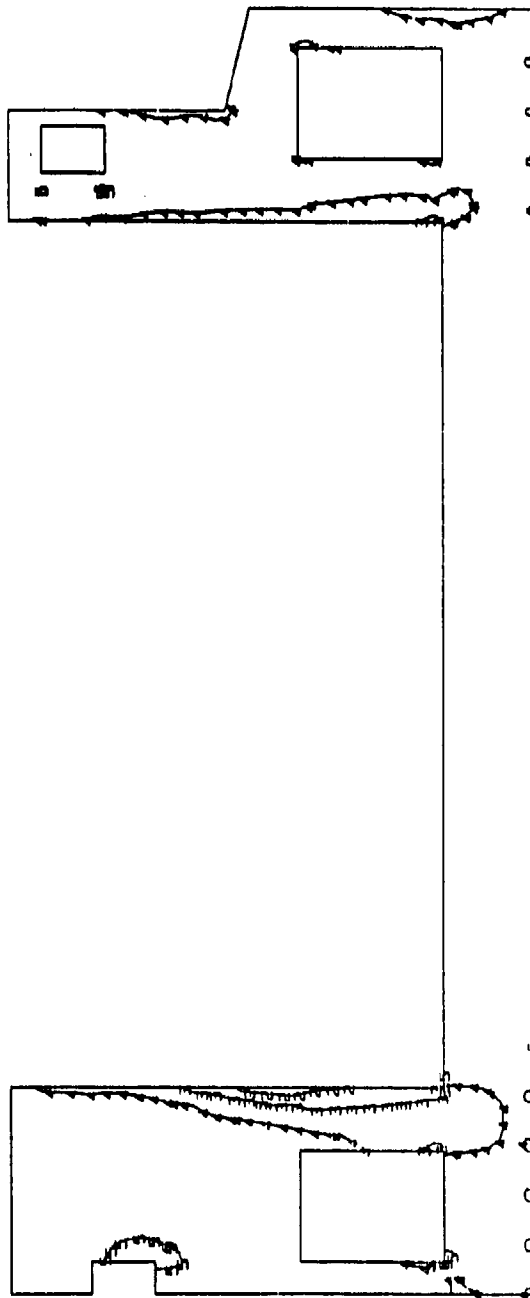


G69

1  
OLMSTED. BLOCK METHOD. JUNE 20 START. PL STRS. L119  
TIME COMPLETED IN THIS STEP +5.000E+01 TOTAL ACCUMULATED TIME +1.835E+02 STEP 84 INCREMENT 25

S22  
VALUE

1	-3.00E+02
2	-2.20E+02
3	-1.40E+02
4	-5.99E+01
5	+2.00E+01
6	+1.00E+02

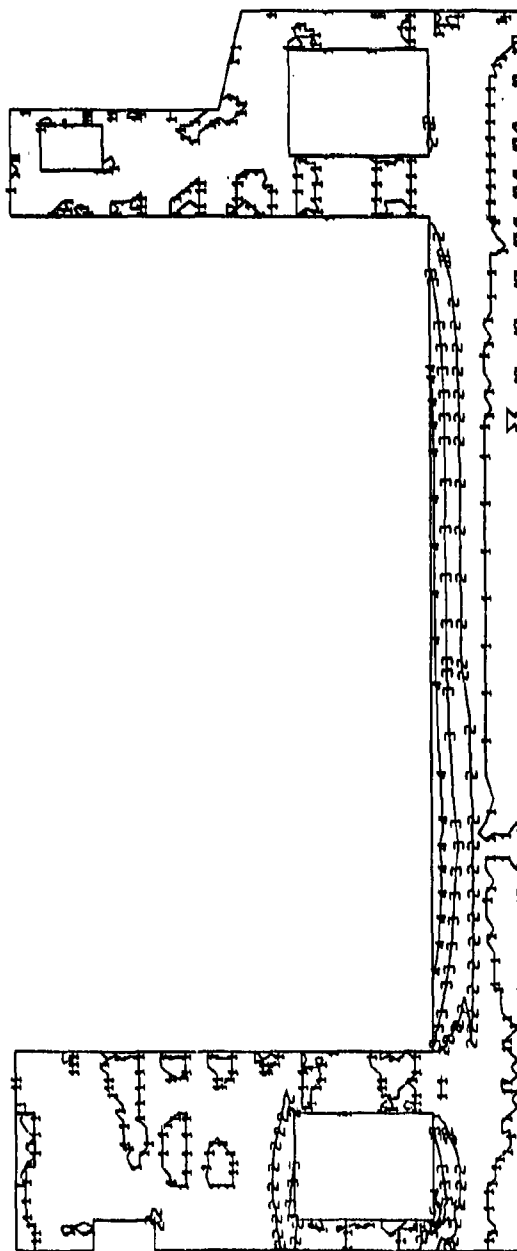


OLMSTED, BLOCK METHOD, JUNE 20 START, PL STRS. L119

TIME COMPLETED IN THIS STEP +5.000E+01 TOTAL ACCUMULATED TIME +1.835E+02 STEP 84 INCREMENT 25

PRINT  
VALUE

1	+6.00E-05
2	+6.00E+01
3	+1.20E+02
4	+1.80E+02
5	+2.40E+02
6	+3.00E+02

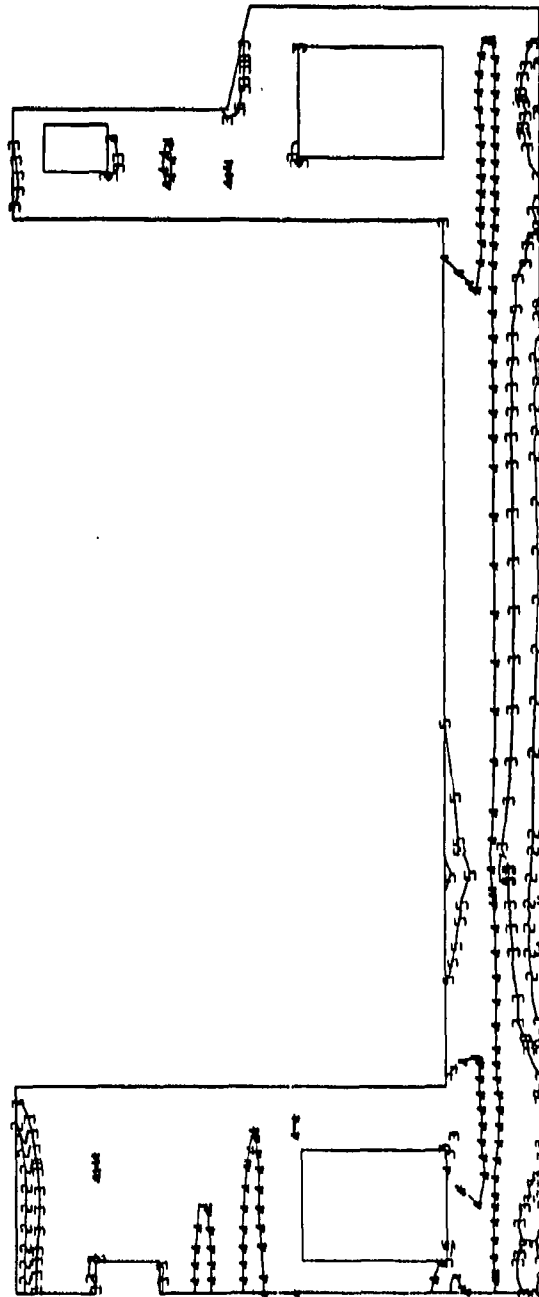


OLMSTED, BLOCK METHOD, JUNE 20 START, PL STRS, L119  
TIME COMPLETED IN THIS STEP +5.000E+01 TOTAL ACCUMULATED TIME +1.835E+02 STEP 84 INCREMENT 25

S11

VALUE

1	-2.00E+02
2	-1.20E+02
3	-3.99E+01
4	+4.00E+01
5	+1.20E+02
6	+2.00E+02



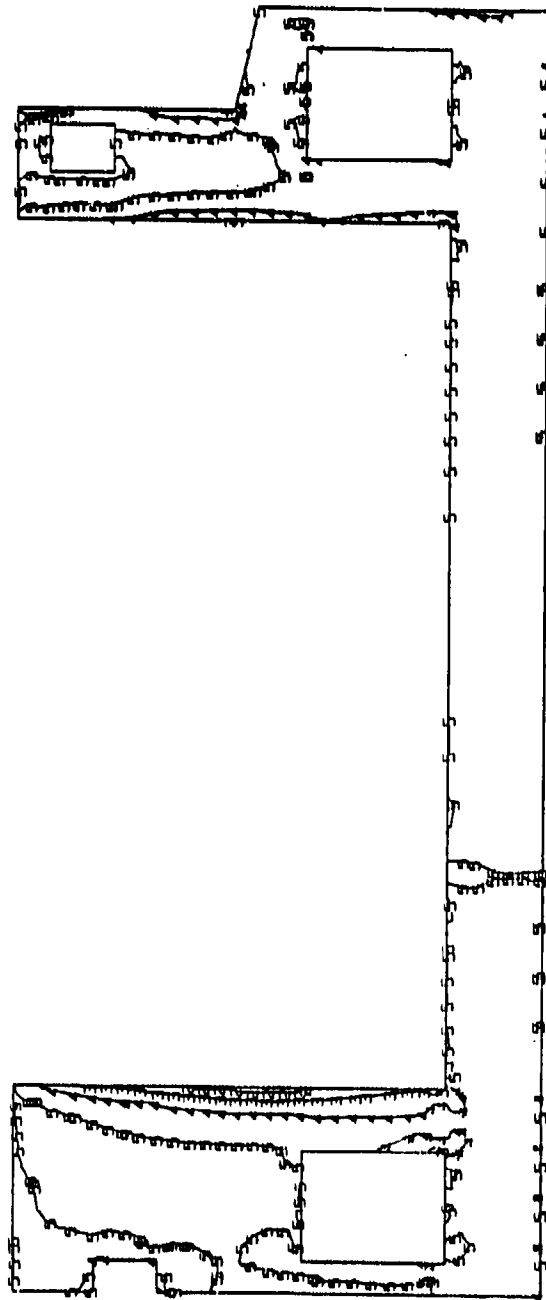
G72

OLMSTED, BLOCK METHOD, JUNE 20 START, PL STRS, L119

TIME COMPLETED IN THIS STEP +1.000E+02 TOTAL ACCUMULATED TIME +2.335E+02 STEP 84 INCREMENT 50

S22  
VALUE

1	-4.00E+02
2	-3.00E+02
3	-2.00E+02
4	-9.99E+01
5	+1.00E-04
6	+1.00E+02

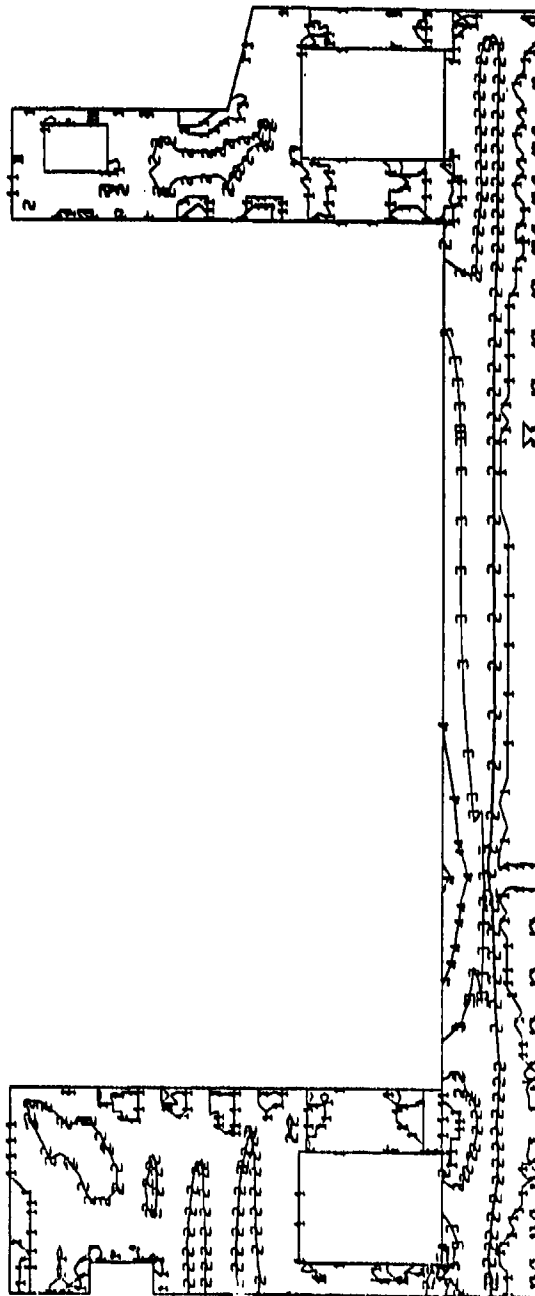


G73

OLMSTED, BLOCK METHOD, JUNE 20 START, PL STRS, L119  
TIME COMPLETED IN THIS STEP +1.000E+02 TOTAL ACCUMULATED TIME +2.335E+02 STEP 84 INCREMENT 50

PRINT  
VALUE

1	+4.00E-05
2	+4.00E+01
3	+8.00E+01
4	+1.20E+02
5	+1.50E+02
6	+2.00E+02

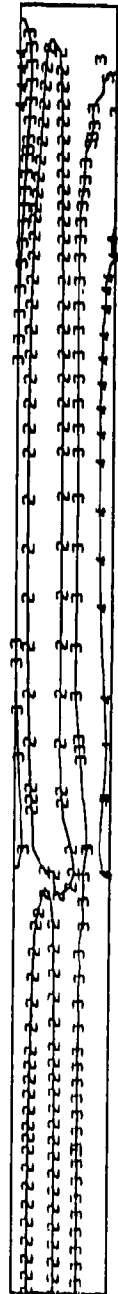


1  
OLMSTED, BLOCK METHOD, JUNE 20 START, PL STRS, L119

TIME COMPLETED IN THIS STEP +1 000E+02 TOTAL ACCUMULATED TIME +2 335E+02 STEP 84 INCREMENT 50

511  
VALUE

1 -1.00E+02  
2 -3.98E+01  
3 +2.00E+01  
4 +8.00E+01  
5 +1.40E+02  
6 +2.00E+02



1  
OLMSTED. BLOCK METHOD. JUNE 20 START, PL STRN. L1\_4  
TIME COMPLETED IN THIS STEP +1.000E+01 TOTAL ACCUMULATED TIME +2.950E+01 8 STEP 16 INCREMENT 10



S22  
VALUE  
1 -5.00E+01  
2 -3.20E+01  
3 -1.39E+01  
4 +4.00E+00  
5 +2.20E+01  
6 +4.00E+01



1  
OLMSTED. BLOCK METHOD. JUNE 20 START. PL STN. L1\_4  
TIME COMPLETED IN THIS STEP +1 000E+01 TOTAL ACCUMULATED TIME +2 950E+01 STEP 16 INCREMENT 10

533

VALUE
1 -1.07E+02
2 -5.00E+01
3 -1.99E+01
4 +2.00E+01
5 +6.00E+01
6 +1.00E+02



OLMSTED, BLOCK METHOD, JUNE 20 START, PL STAN, L1\_4

TIME FINISHED THE DATA STEP +1.00E+01 TOTAL ACCUMULATED TIME +2.00E+01 STEP 16 INCREMENT 10

S11  
VALUE

1	-6.00E+01
2	-4.00E+01
3	-1.95E+01
4	+2.00E-05
5	+2.00E+01
6	+4.00E+01

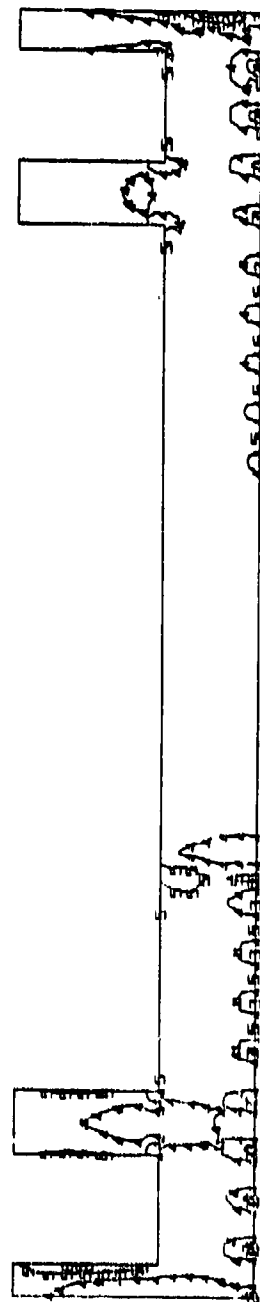


OLMSTED. BLOCK METHOD. JUNE 20 START, PL STRN, L1\_8

TIME COMPLETED IN THIS STEP +1.500E+01 TOTAL ACCUMULATED TIME +5.450E+01 STEP 33 INCREMENT 15

S22  
VALUE

1	-7.00E+01
2	-5.20E+01
3	-3.40E+01
4	-1.55E+01
5	+2.00E+00
6	+2.00E+01



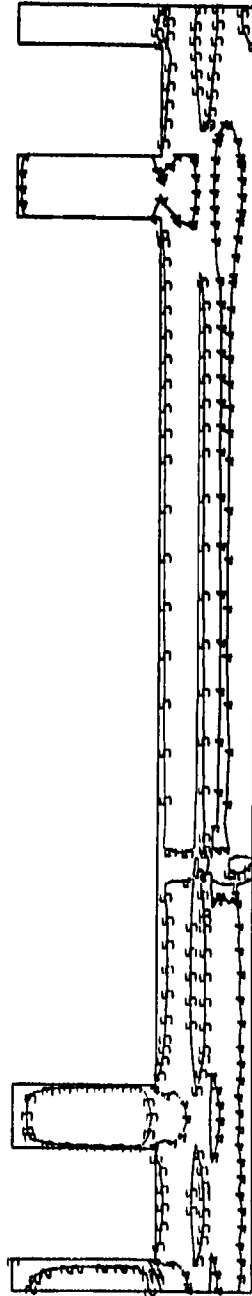
OLMSTED, BLOCK METHOD, JUNE 20 START, PL STN, L1\_B  
TIME COMPLETED IN THIS STEP +1 500E+01 TOTAL ACCUMULATED TIME +6 450E+01 STEP 33 INCREMENT 15

533

VALUE

1	+4.00E-05
2	+4.00E+01
3	+8.00E+01
4	+1.20E+02
5	+1.60E+02
6	+2.00E+02

G80

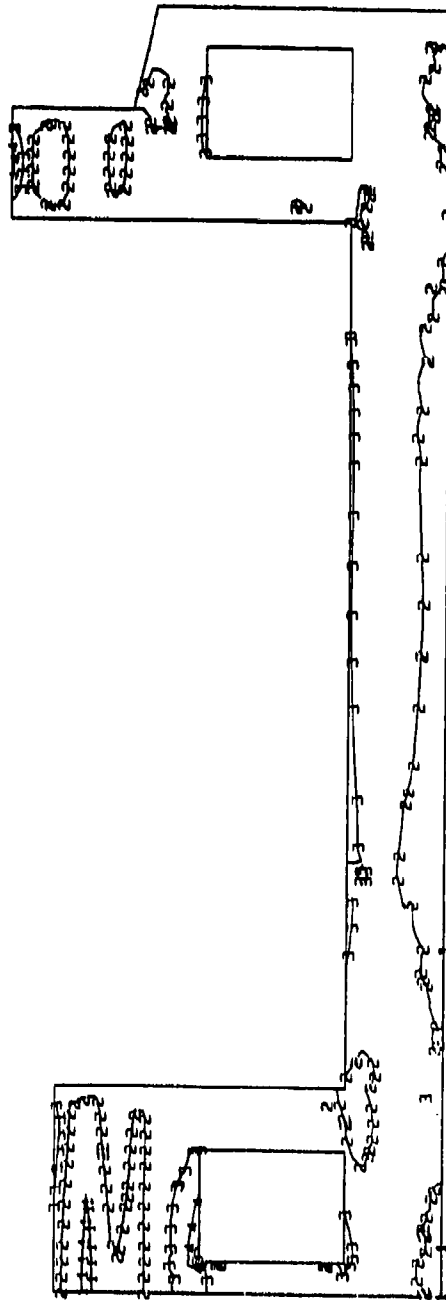


1

OLMSTED, BLOCK METHOD, JUNE 20 START, PL STRN, L1\_8

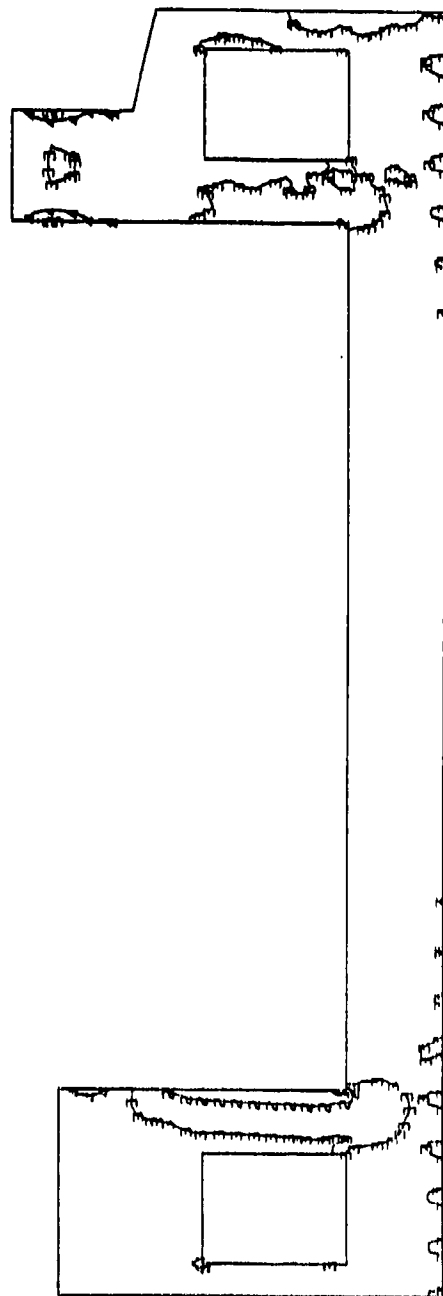
TIME COMPLETED IN THIS STEP +1.500E+01 TOTAL ACCUMULATED TIME +6.450E+01 STEP 33 INCREMENT 15

S11  
VALUE  
1 -1.00E+02  
2 -1.99E+01  
3 +6.00E+01  
4 +1.40E+02  
5 +2.20E+02  
6 +3.00E+02



1  
OLMSTED, BLOCK METHOD, JUNE 20 START, PL STN, L114  
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.450E+01 STEP 59 INCREMENT 6

S22  
VALUE  
1 -2.00E+02  
2 -1.20E+02  
3 -3.35E+01  
4 +4.00E+01  
5 +1.20E+02  
6 +2.00E+02

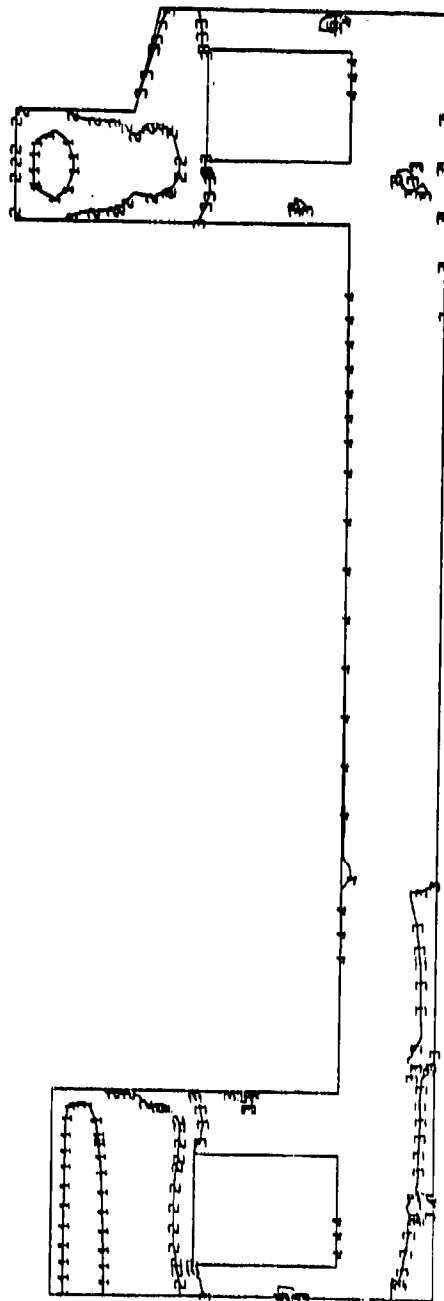


1  
OLMSTED, BLOCK METHOD, JUNE 20 START, PL STAN, L114  
TIME REQUIRED TO BUILD STEP 13.000000 TOTAL APPROXIMATE TIME 40.000000 STEP 60 TIME REQUIRED

S33  
VALUE

1	-9.95E+01
2	+4.00E+01
3	+1.80E+02
4	+3.20E+02
5	+4.60E+02
6	+6.00E+02

G83

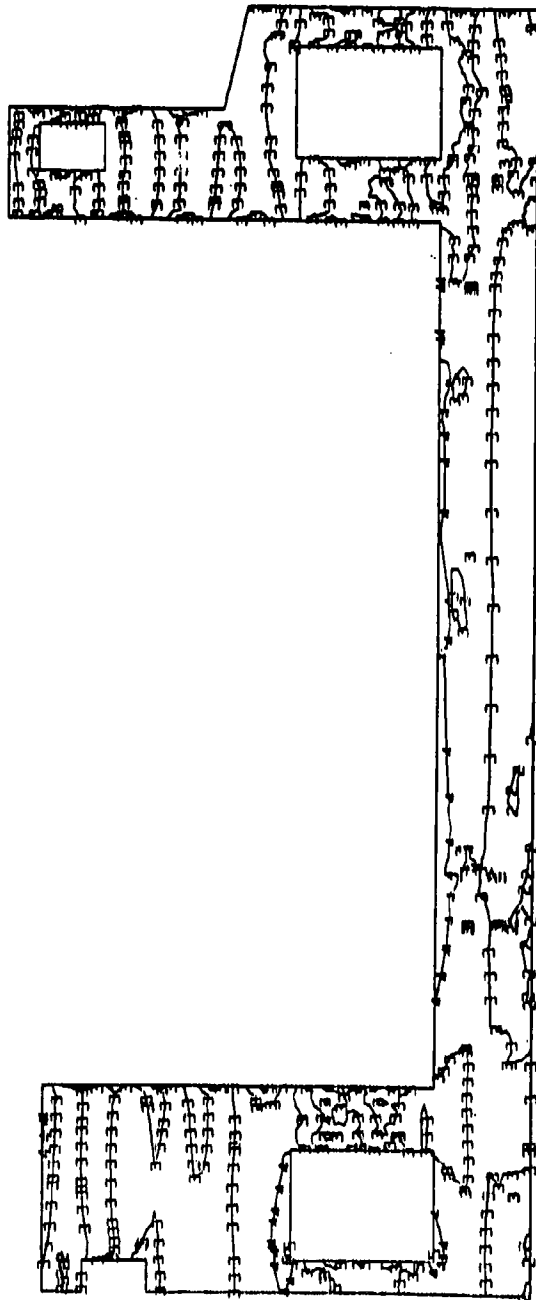


OLMSTED. BLOCK METHOD. JUNE 20 START. PL STRN. L114  
 TIME COMPLETED IN THIS STEP +3 00:05:00 TOTAL ACCUMULATED TIME +9 45:06:01 STEP 59 INCREMENT 5



S11  
VALUE

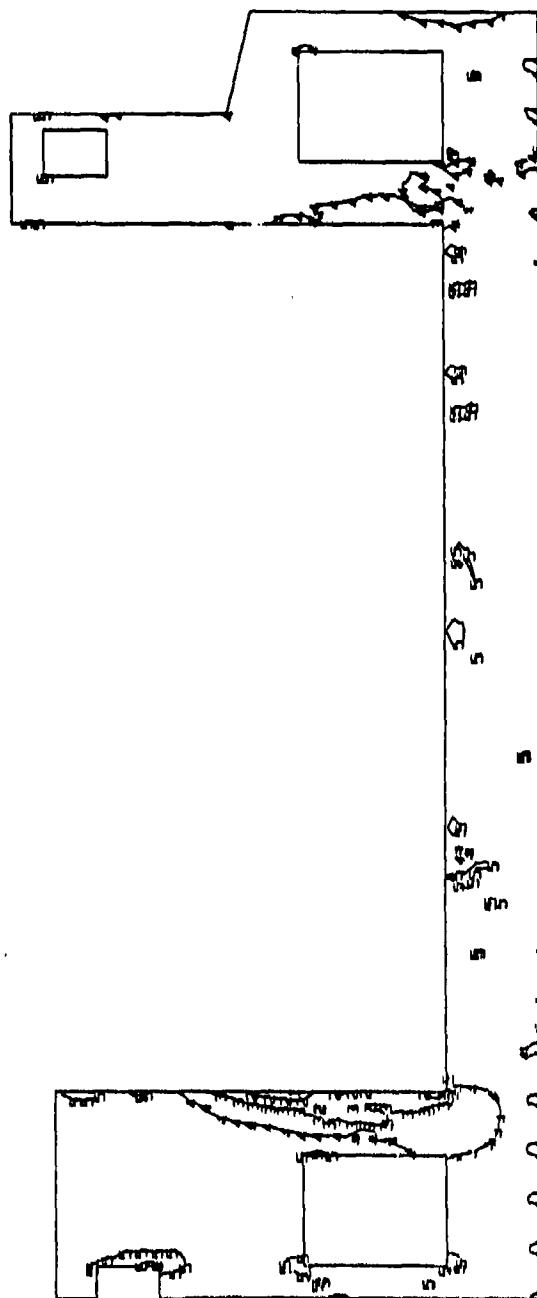
1	-2.00E+02
2	-9.59E+01
3	+1.00E-04
4	+1.00E+02
5	+2.00E+02
6	+3.00E+02



1  
OLMSTED, BLOCK METHOD. JUNE 20 START, PL STN, L118

TIME ELAPSED IN THIS STEP +5.00E-01 TOTAL ACCUMULATED TIME +3.145E+02 8 STEP 77 INCREMENT 1

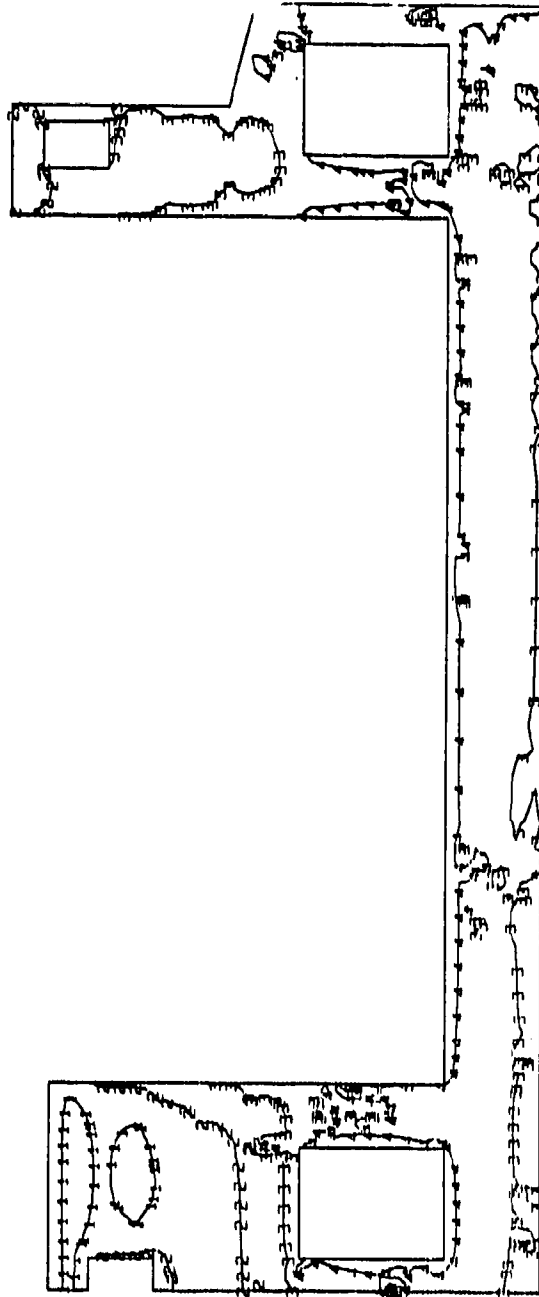
S22  
VALUE  
1 -3.00E+02  
2 -2.20E+02  
3 -1.40E+02  
4 -5.90E+01  
5 +2.00E+01  
6 +1.00E+02



OLMSTED. BLOCK METHOD. JUNE 20 START. PL STAN. L118  
TIME COMPLETED IN THIS STEP +5.00E-01 TOTAL ACCUMULATED TIME +1.145E+02 STEP 77 INCREMENT 1

533

VALUE	
1	-9.99E+01
2	+6.00E+01
3	+2.20E+02
4	+3.80E+02
5	+5.40E+02
6	+7.00E+02



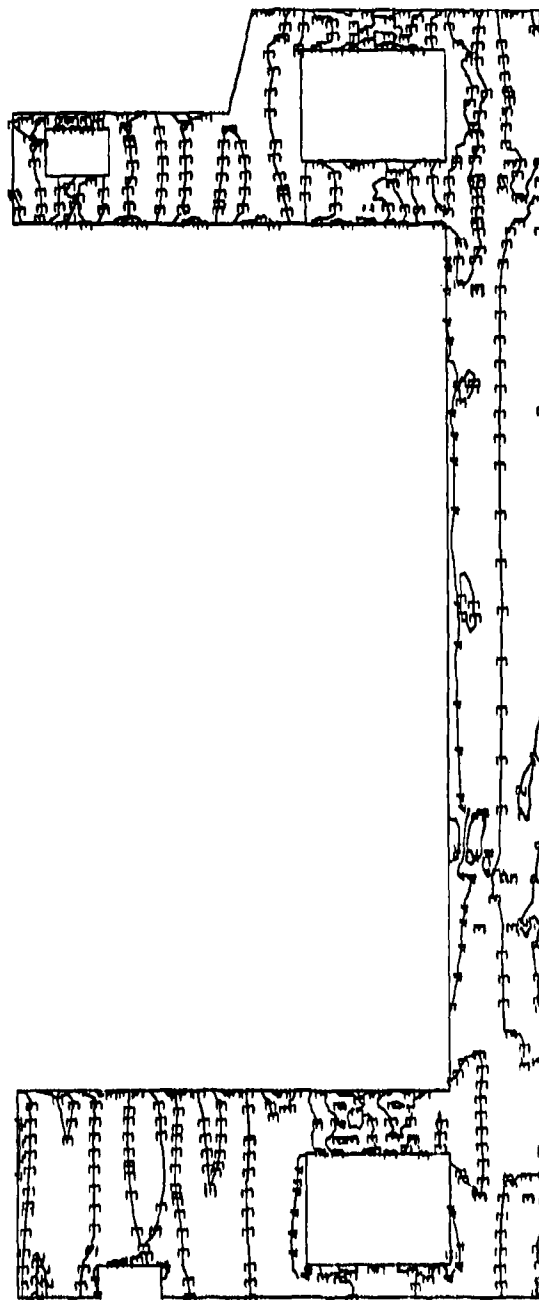
G86

1  
OLMSTED, BLOCK METHOD, JUNE 20 START, PL STIN, L118

TIME PROPORTION TO THIS STEP AS ABOVE-01 TOTAL ACCUMULATED TIME +1.45E+02 F STEP 77 INCREMENT 1

S11  
VALUE

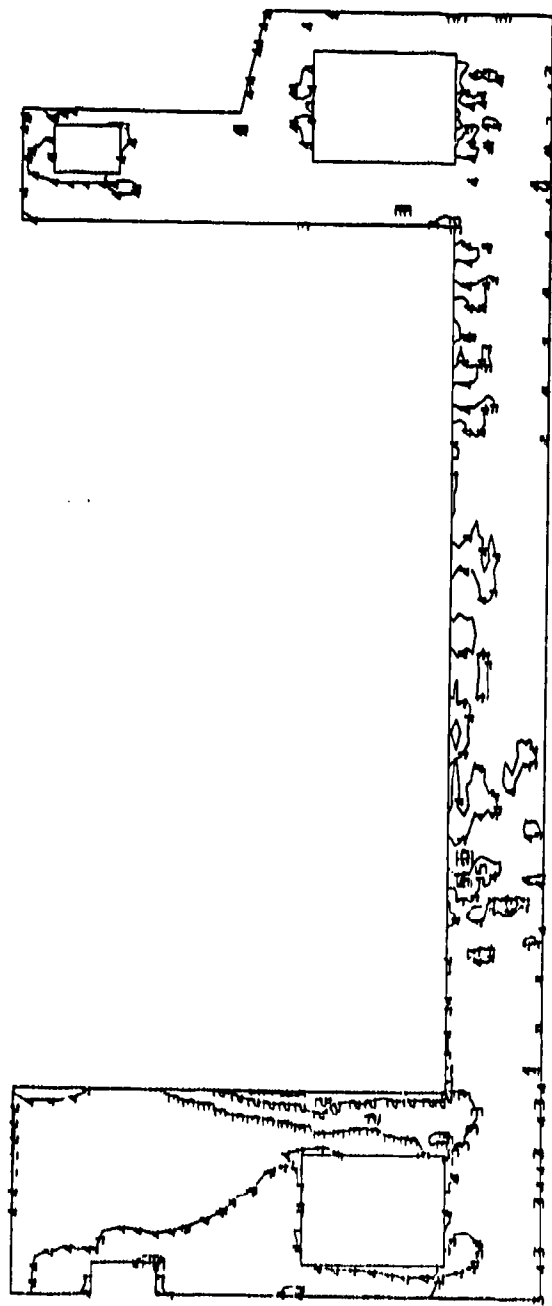
1	-2.80E+02
2	-9.95E+01
3	+1.00E-04
4	+1.00E+02
5	+2.00E+02
5	+3.00E+02



OLMSTED, BLOCK METHOD. JUNE 20 START. PL STN. L119  
TIME CREDITED IN THIS STEP +3 000E+00 TOTAL ACCUMULATED TIME +1 205E+02 STEP 01 INCREMENT 6

S22  
VALUE

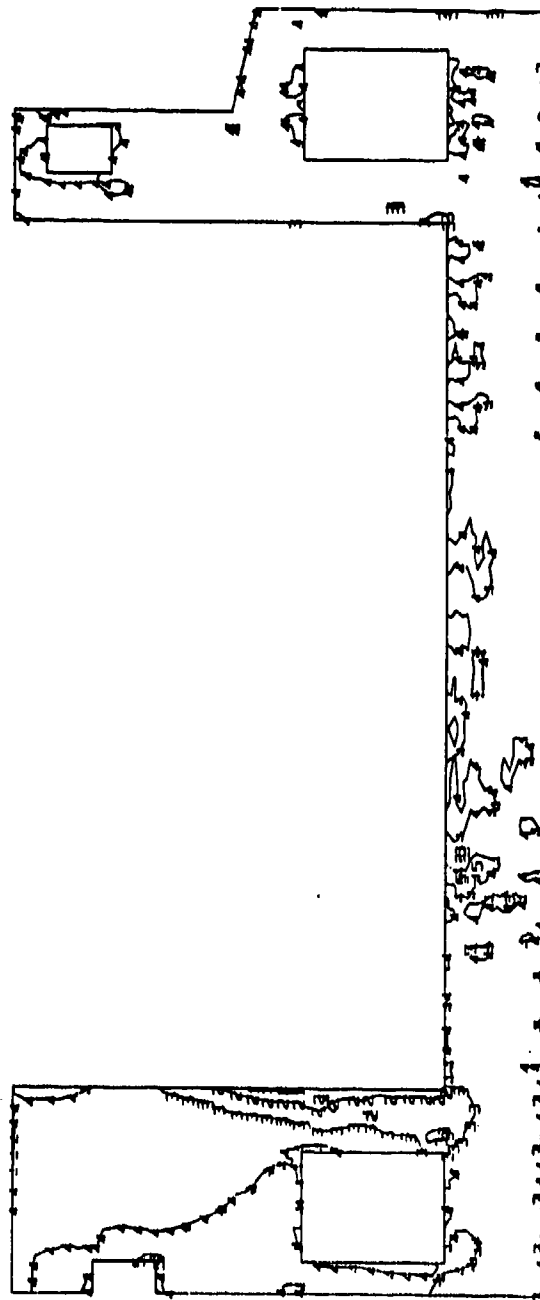
1	-3.00E+02
2	-2.00E+02
3	-9.99E+01
4	+1.00E-04
5	+1.00E+02
6	+2.00E+02



1  
OLMSTED. BLOCK METHOD. JUNE 20 START. PL STN. L119  
TIME CALCULATED BY THIS SYSTEM 23.500E+00  
TOTAL ACCUMULATED TIME +1.105E+02 P STEP 81 INCREMENT 5

S22  
VALUE

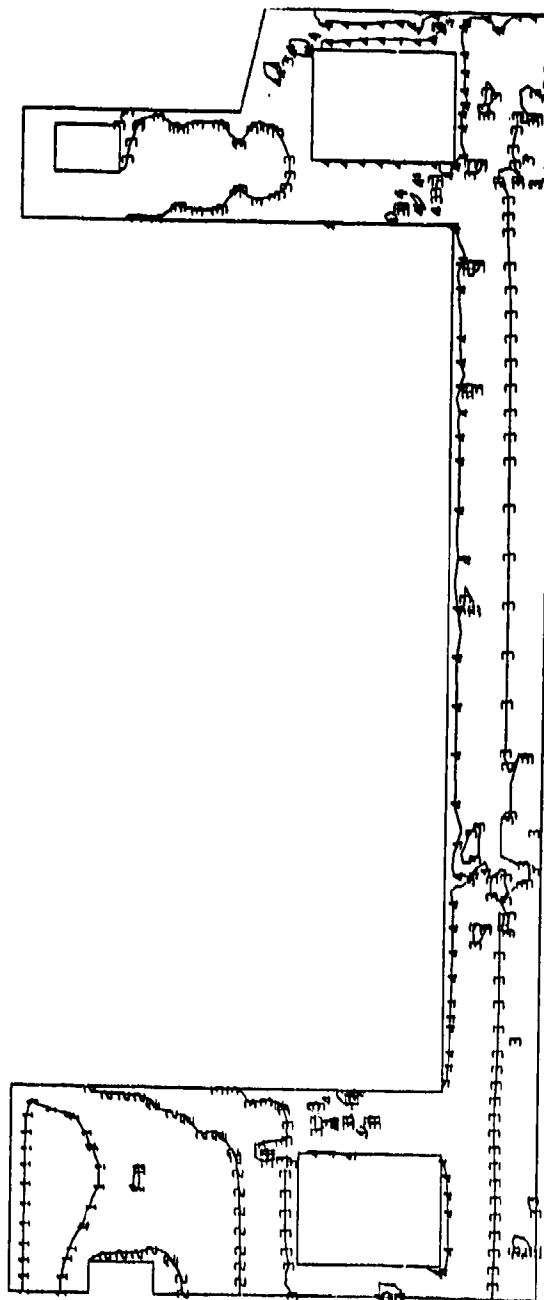
1	-3.00E+02
2	-2.00E+02
3	-9.99E+01
4	+1.00E-04
5	+1.00E+02
6	+2.00E+02



OLMSTED. BLOCK METHOD. JUNE 20 START. PL STAN. L119

S33  
VALUE

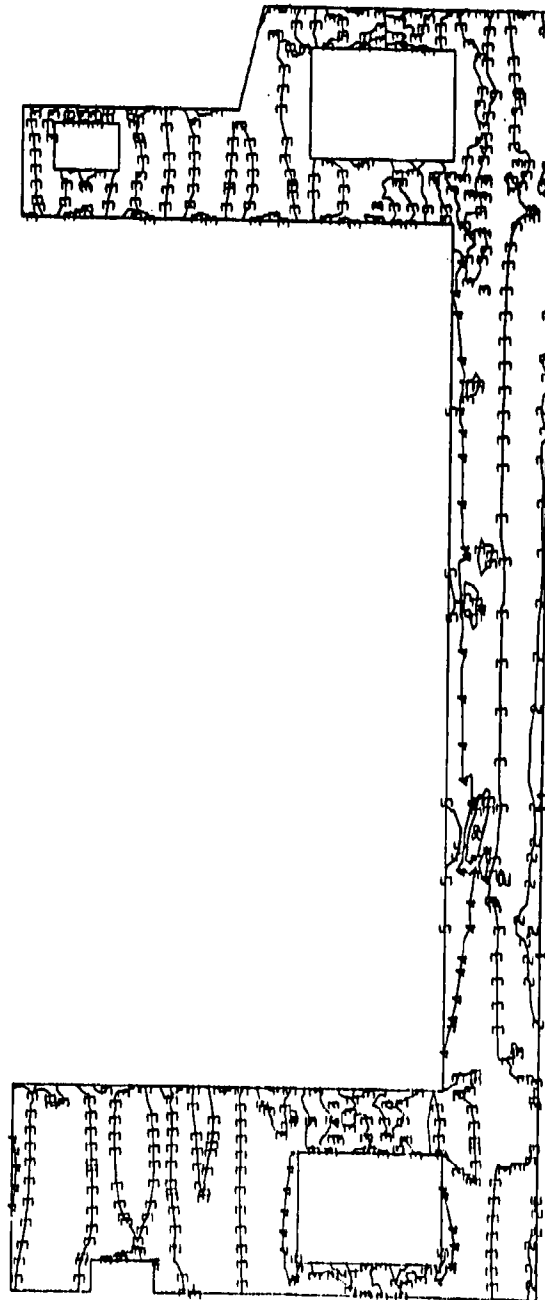
1	-9.99E+01
2	+8.00E+01
3	+2.60E+02
4	+4.40E+02
5	+5.20E+02
6	+8.00E+02



1  
OLMSTED, BLOCK METHOD, JUNE 20 START, PL STAN, L119  
TIME COMPLETED IN THIS STEP +3 000E+00 TOTAL ACCUMULATED TIME +1.195E+02 # STEP 81 INCREMENT 6

S11  
VALUE

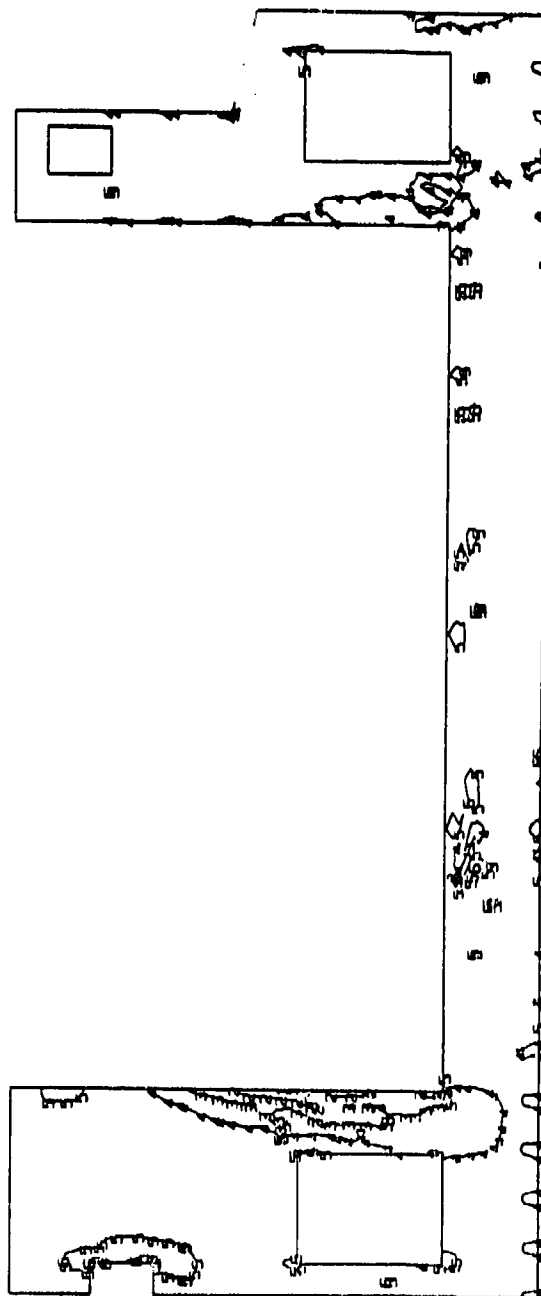
1	-2.00E+02
2	-9.99E+01
3	+1.00E-04
4	+1.00E+02
5	+2.00E+02
6	+3.00E+02



OLMSTED, BLOCK METHOD. JUNE 20 START, PL STAN. L119  
TIME COMPLETED IN THIS STEP +3.00E+00 TOTAL ACCUMULATED TIME +1.155E+02 S STEP 01 INCREMENT 6



S22  
VALUE  
1 -3.00E+02  
2 -2.20E+02  
3 -1.40E+02  
4 -5.99E+01  
5 +2.00E+01  
6 +1.00E+02

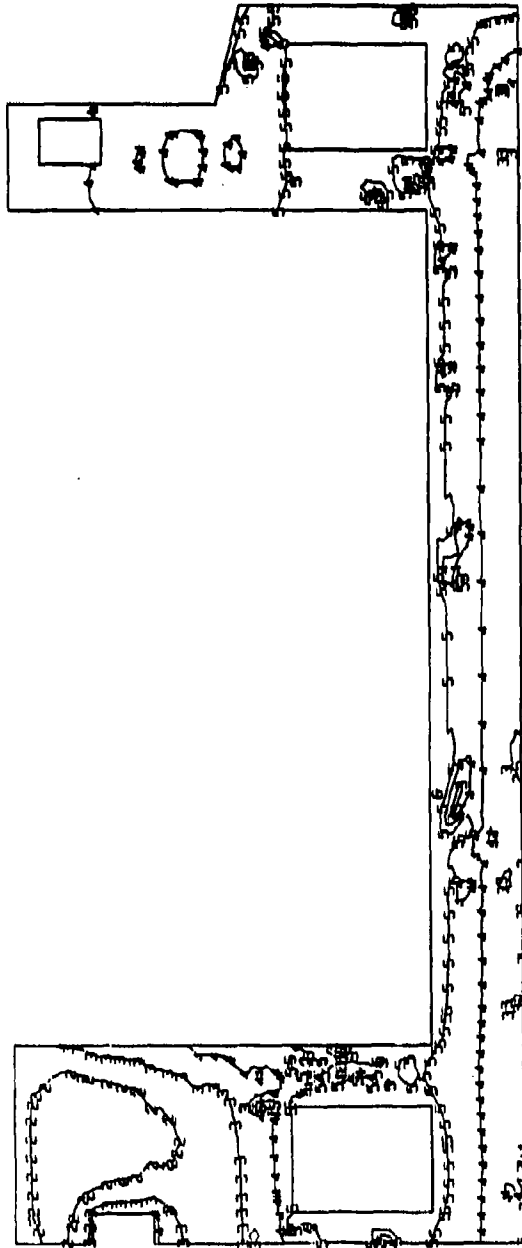


OLMSTED. BLOCK METHOD. JUNE 20 START. PL STRN. L119  
TIME ELAPSED IN THIS STEP +1 703E+01 TOTAL ACCUMULATED TIME +1 325E+02 IN STEP 82 INCREMENT 13

533

VALUE

1	-9.99E+01
2	+4.00E+01
3	+1.80E+02
4	+3.20E+02
5	+4.60E+02
6	+6.00E+02

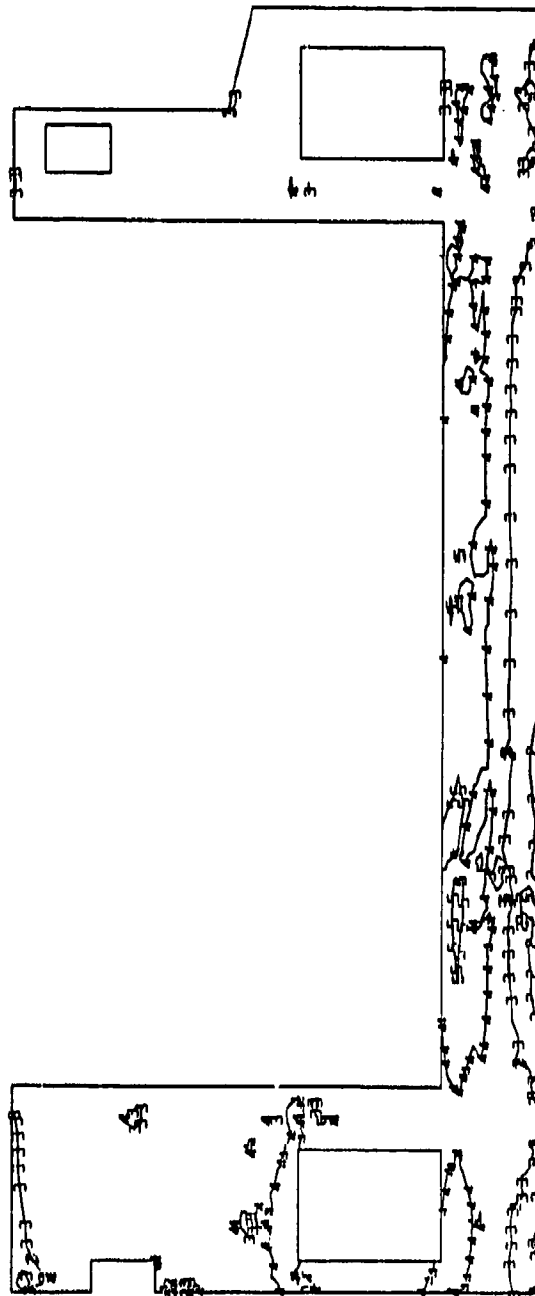


G93

OLMSTED. BLOCK METHOD. JUNE 20 START. PL STN. L119

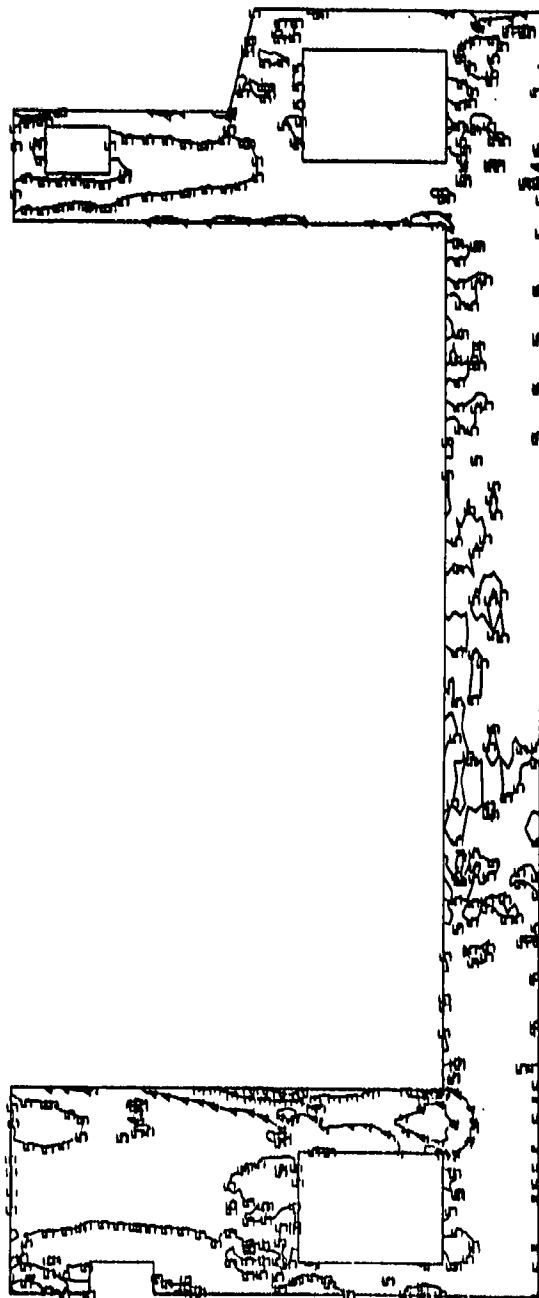
TIME COMPLETED IN THIS STEP +1 30DE+01 TOTAL ACCUMULATED TIME +1 32DE+02 9 STEP 82 INCREMENT 13

S11  
VALUE  
1 -3.00E+02  
2 -1.80E+02  
3 -5.99E+01  
4 +6.00E+01  
5 +1.80E+02  
6 +3.00E+02



OLMSTED, BLOCK METHOD. JUNE 20 START, PL STN. L119  
TIME COMPLETED IN THIS STEP +5.00E+01 TOTAL ACCUMULATED TIME +1.92E+02 # STEP 94 INCREMENT 25

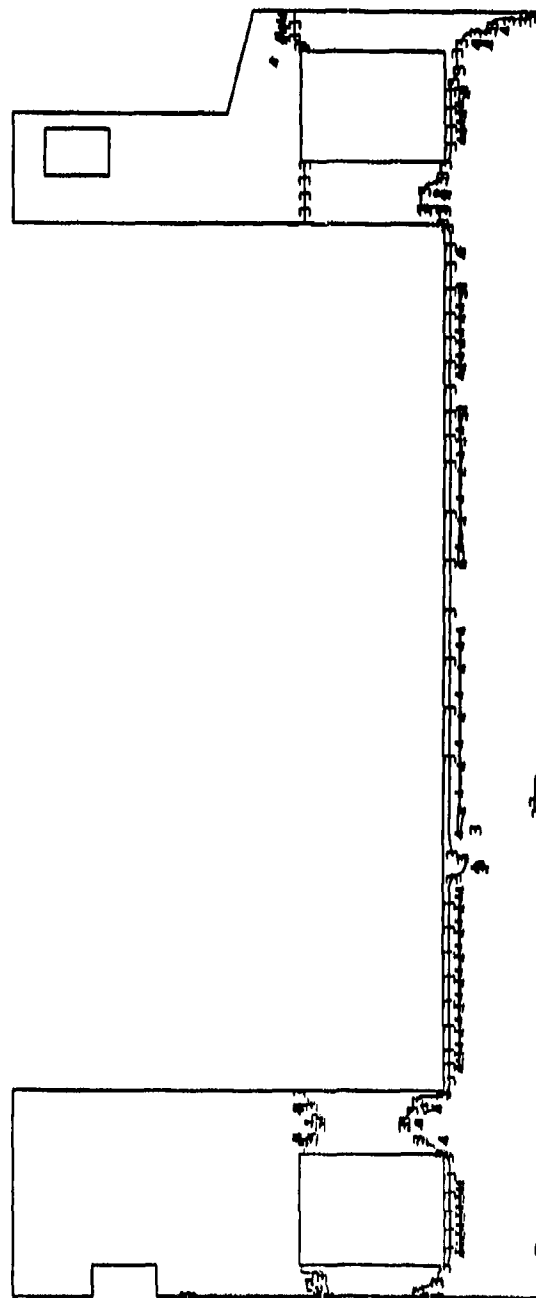
S22  
VALUE  
1 -4.00E+02  
2 -3.00E+02  
3 -2.00E+02  
4 -9.99E+01  
5 +1.00E-04  
6 +1.00E+02



1  
OLMSTED, BLOCK METHOD, JUNE 20 START, PL STAN, L119

TIME FROM STEP 1: TIME STEP 45 900E+01 TOTAL ACCUMULATED TIME 41 834E+02 8 STEP 84 TIME STEP 85

S33  
VALUE  
1 -1.00E+03  
2 -3.99E+02  
3 +2.00E+02  
4 +8.00E+02  
5 +1.40E+03  
6 +2.00E+03

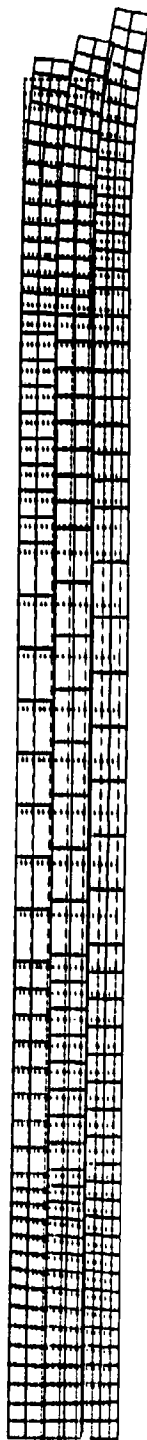


G96

OLMSTED, BLOCK METHOD. JUNE 20 START. PL STN. L119  
TIME COMPLETED IN THIS STEP +5 000E+01 TOTAL ACCUMULATED TIME +1 835E+02 # STEP 84 INCREMENT 25

**APPENDIX H: MIXTURE 6 DISPLACEMENT PLOTS**

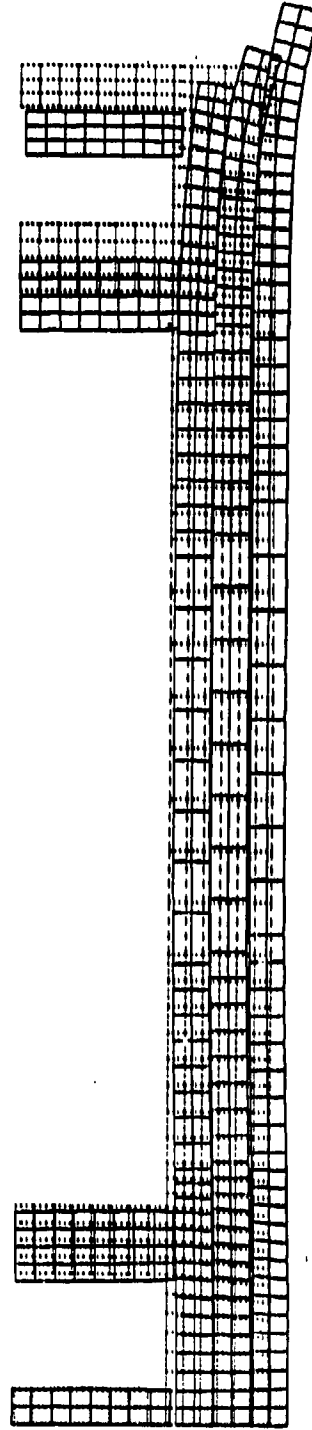
U  
MAG. FACTOR = +5.5E+02  
SOLID LINES - DISPLACED MESH  
DASHED LINES - ORIGINAL MESH



H3

1  
OLMSTED, STRIP METHOD. JUNE 20 START, PL STRN, L1\_3  
TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +2.950E+01 S STEP 14 INCREMENT 5

U  
MAG. FACTOR = +8.6E+02  
SOLID LINES - DISPLACED MESH  
DASHED LINES - ORIGINAL MESH



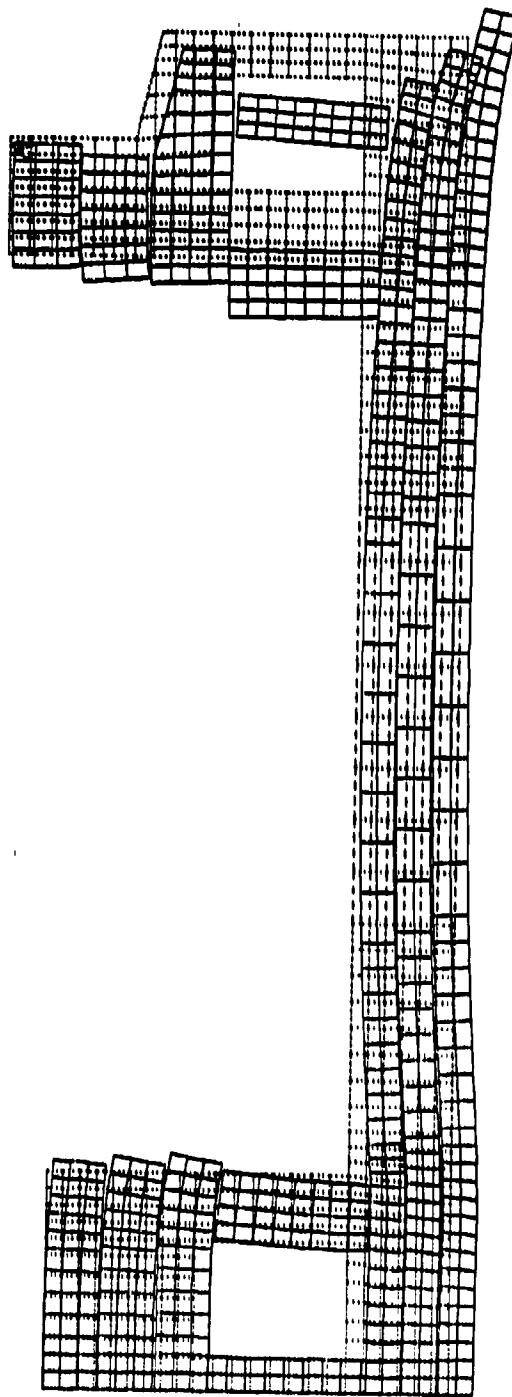
H4

1  
OLMSTED, STRIP METHOD, JUNE 20 START, PL STRN, L1\_8

TIME COMPLETED IN THIS STEP +1.500E+01 TOTAL ACCUMULATED TIME +6.450E+01 STEP 31 INCREMENT 15



U  
 MAG. FACTOR = +7.8E+02  
 SOLID LINES - DISPLACED MESH  
 DASHED LINES - ORIGINAL MESH

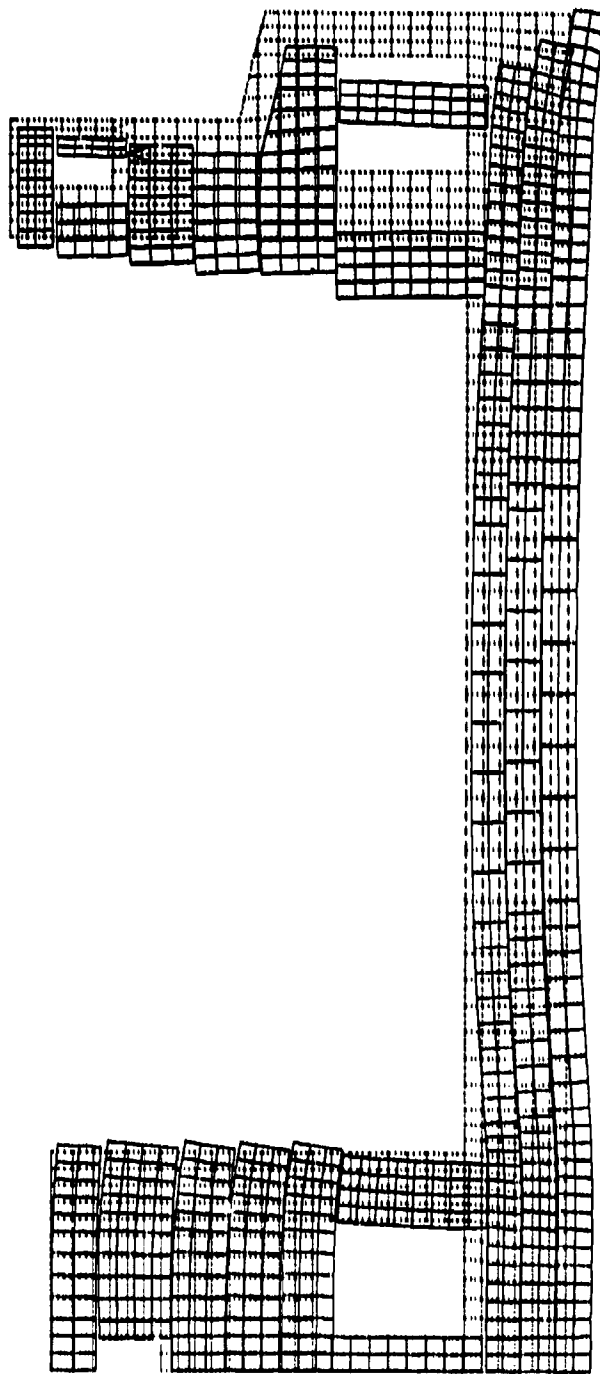


H5

1  
 OLMSTED, STRIP METHOD, JUNE 20 START, PL STRN, L114

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.450E+01 STEP 57 INCREMENT 6

U  
MAG. FACTOR = +6.0E+02  
SOLID LINES - DISPLACED MESH  
DASHED LINES - ORIGINAL MESH

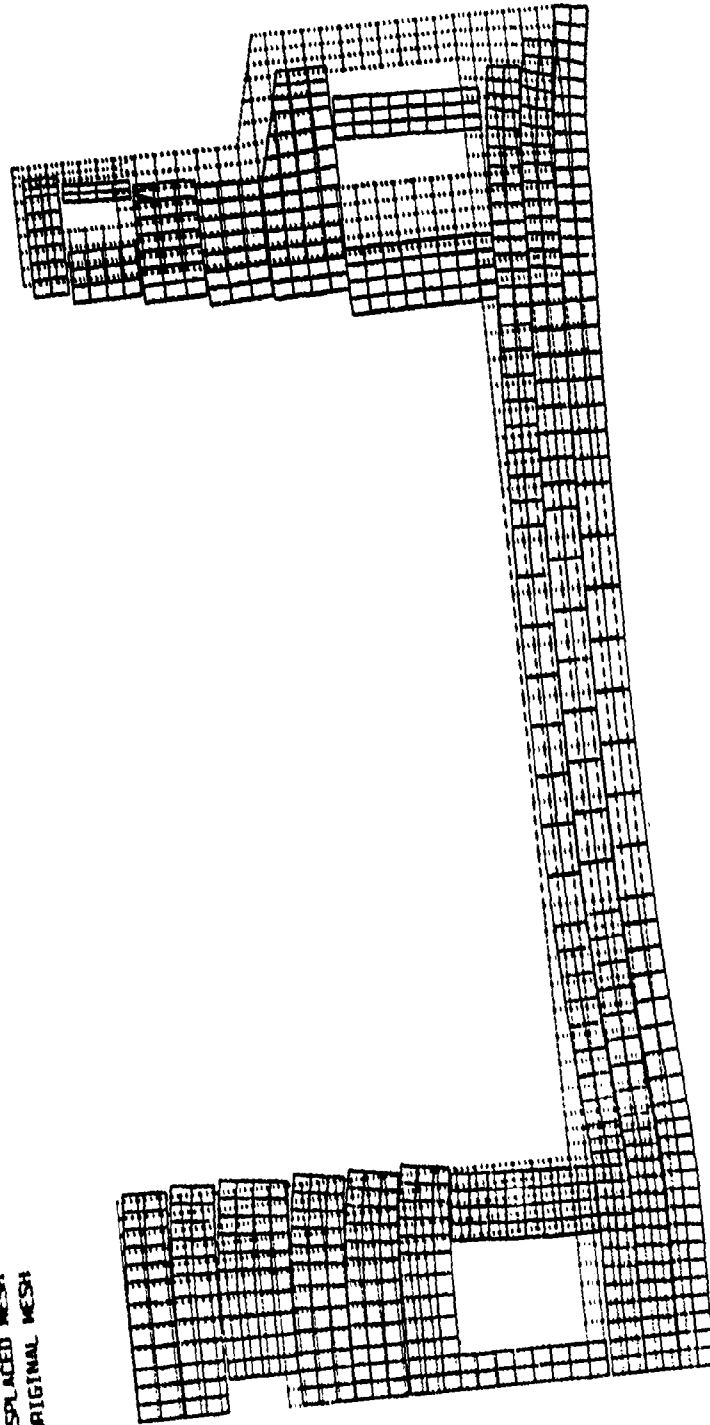


H6

OLMSTED, STRIP METHOD, JUNE 20 START, PL STN. L118

TIME COMPLETED IN THIS STEP +5.000E-01 TOTAL ACCUMULATED TIME +1.145E+02 R STEP 75 INCREMENT 1

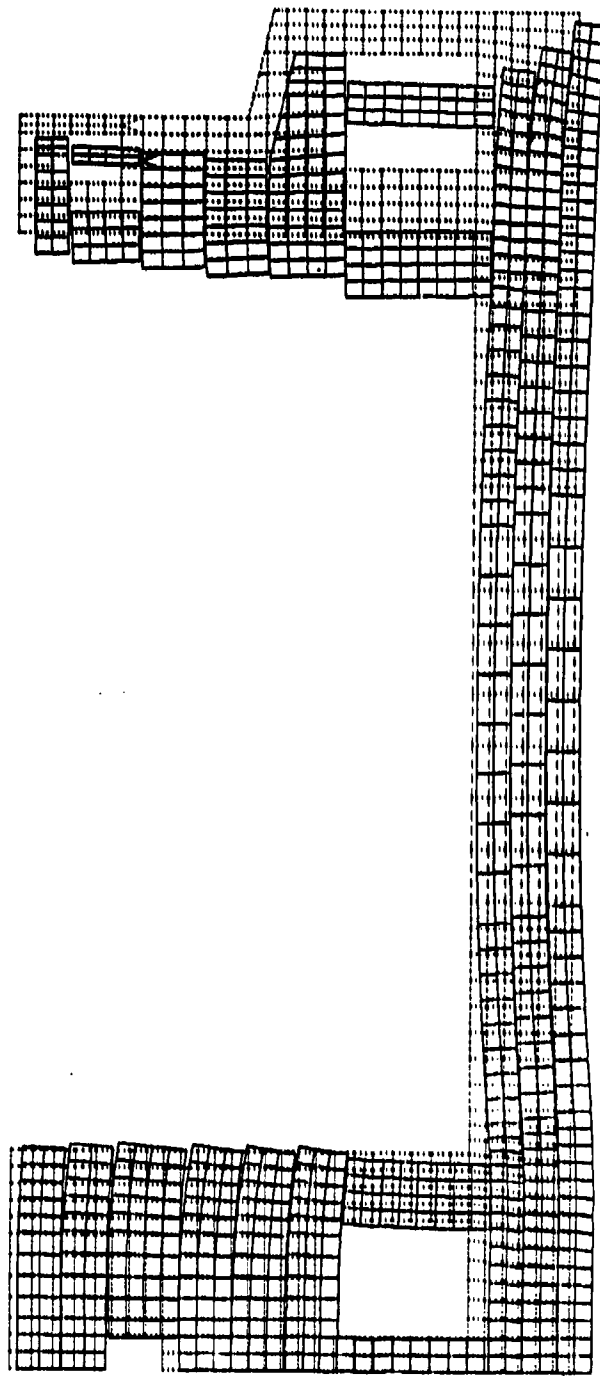
U  
MAG. FACTOR =  $+5.6E+02$   
SOLID LINES - DISPLACED MESH  
DASHED LINES - ORIGINAL MESH



H7

OLMSTED. STRIP METHOD. JUNE 20 START. PL STRN. L119  
TIME COMPLETED IN THIS STEP 4.9 000E+01  
TOTAL ACCUMULATED TIME 2.1 10E+02 8 STEP 79 INCREMENT 6

U  
MAG. FACTOR =  $+4.9E+02$   
SOLID LINES - DISPLACED MESH  
DASHED LINES - ORIGINAL MESH

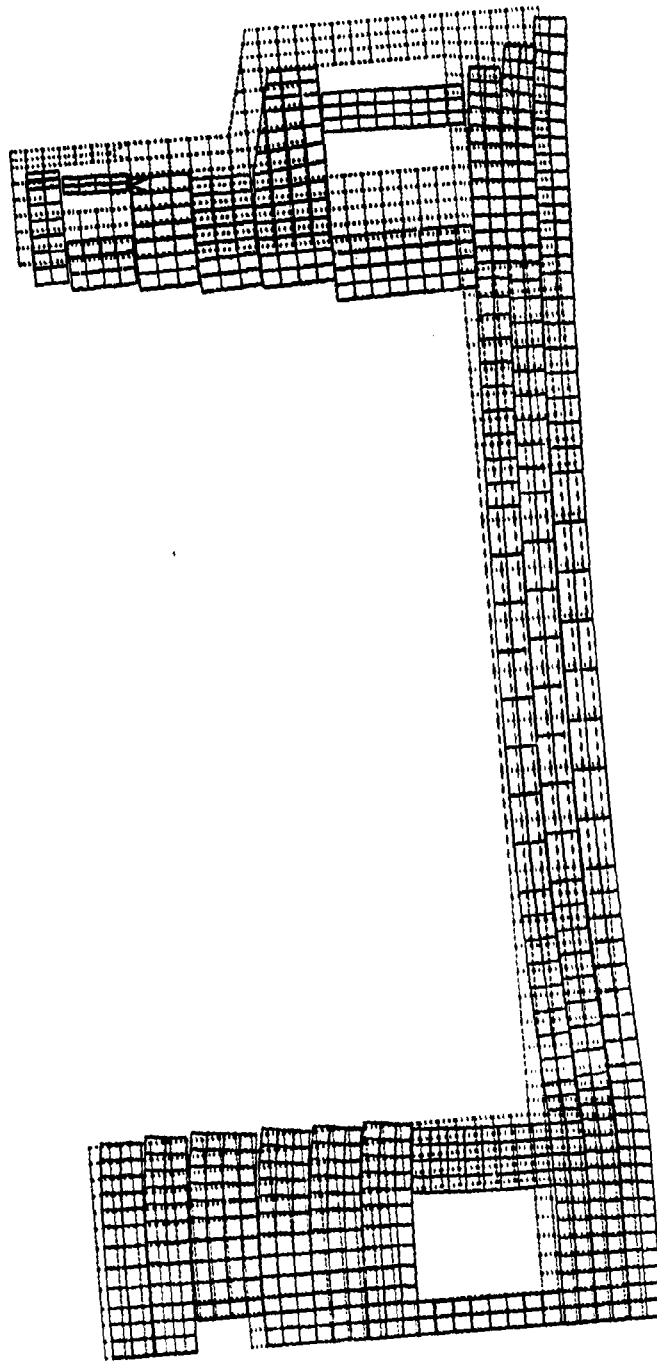


H8

OLMSTED, STRIP METHOD. JUNE 20 START, PL STRN, L119

TIME COMPLETED IN THIS STEP  $+1.300E+01$  TOTAL ACCUMULATED TIME  $+1.325E+02$  B STEP 80 INCREMENT 13

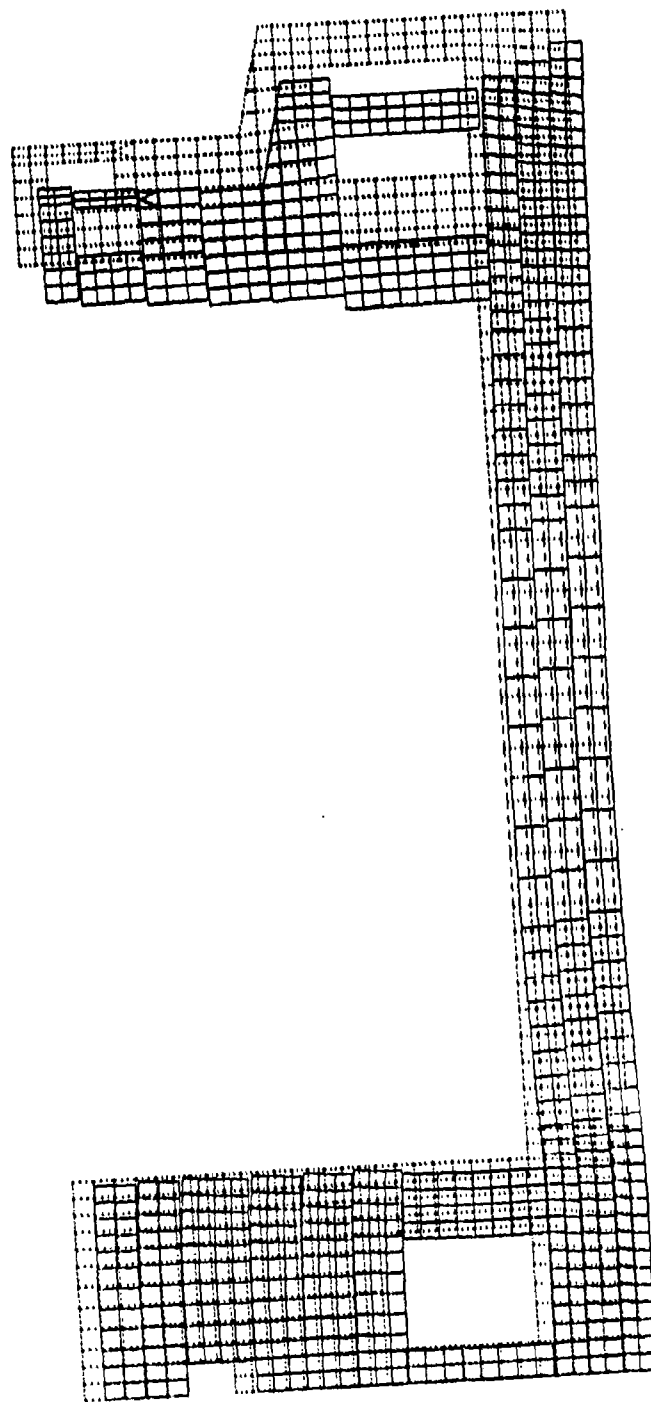
U  
MAG. FACTOR =  $+4.8E+02$   
SOLID LINES - DISPLACED MESH  
DASHED LINES - ORIGINAL MESH



H9

1  
OLMSTED, STRIP METHOD, JUNE 20 START, PL STPN, L119  
TIME COMPLETED IN THIS STEP  $+1.00E+00$  STEP 81 INCREMENT :  
TOTAL ACCUMULATED TIME  $+1.235E+02$  S

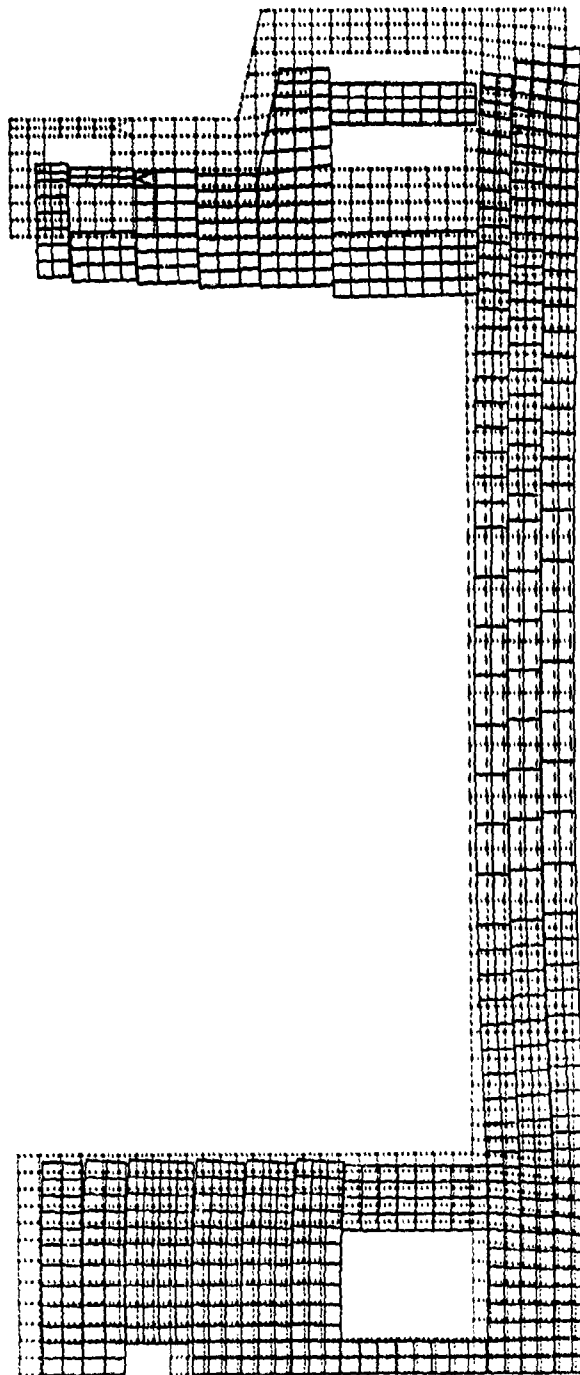
U  
MAG. FACTOR =  $+3.1E+02$   
SOLID LINES - DISPLACED MESH  
DASHED LINES - ORIGINAL MESH



H10

OLMSTED, STRIP METHOD. JUNE 20 START. PL STPN. L119  
TOTAL ACCUMULATED TIME  $+1.435E+02$  X STEP 82 INCREMENT 25  
TIME CONVERTED TO DAYS  $+5.00E+01$

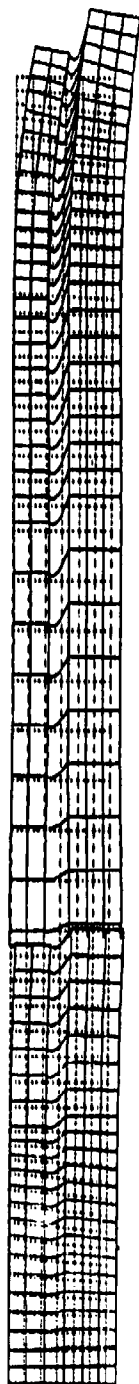
U  
MAG. FACTOR =  $+2.7E+02$   
SOLID LINES - DISPLACED MESH  
DASHED LINES - ORIGINAL MESH



H11

1  
OLMSTED, STRIP METHOD, JUNE 20 START, PL STRN, L119  
TIME COMPLETED IN THIS STEP  $+1.007E+02$  TOTAL ACCUMULATED TIME  $+2.335E+02$  STEP 82 INCREMENT 50

U  
MAG. FACTOR = +7.1E+02  
SOLID LINES - DISPLACED MESH  
DASHED LINES - ORIGINAL MESH



H12

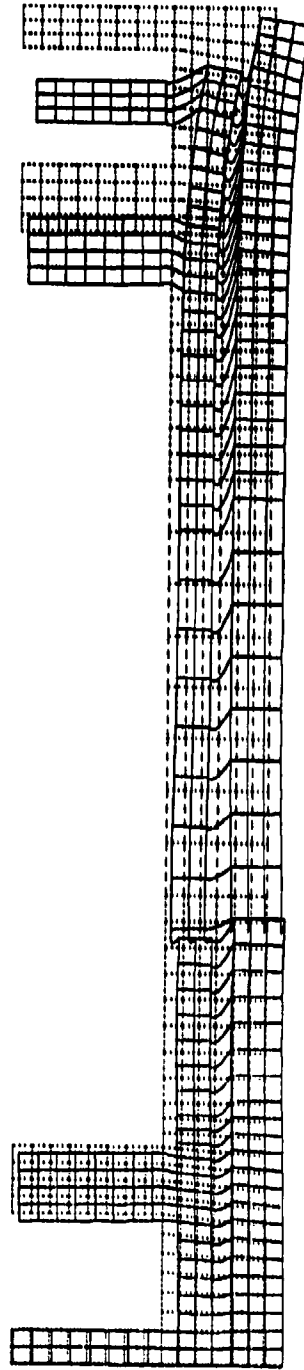
1

OLMSTED. BLOCK METHOD. JUNE 20 START, PL STRN, L1\_4

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.950E+01 # STEP 15 INCREMENT 6



U  
MAG. FACTOR = +8.6E+02  
SOLID LINES - DISPLACED MESH  
DASHED LINES - ORIGINAL MESH

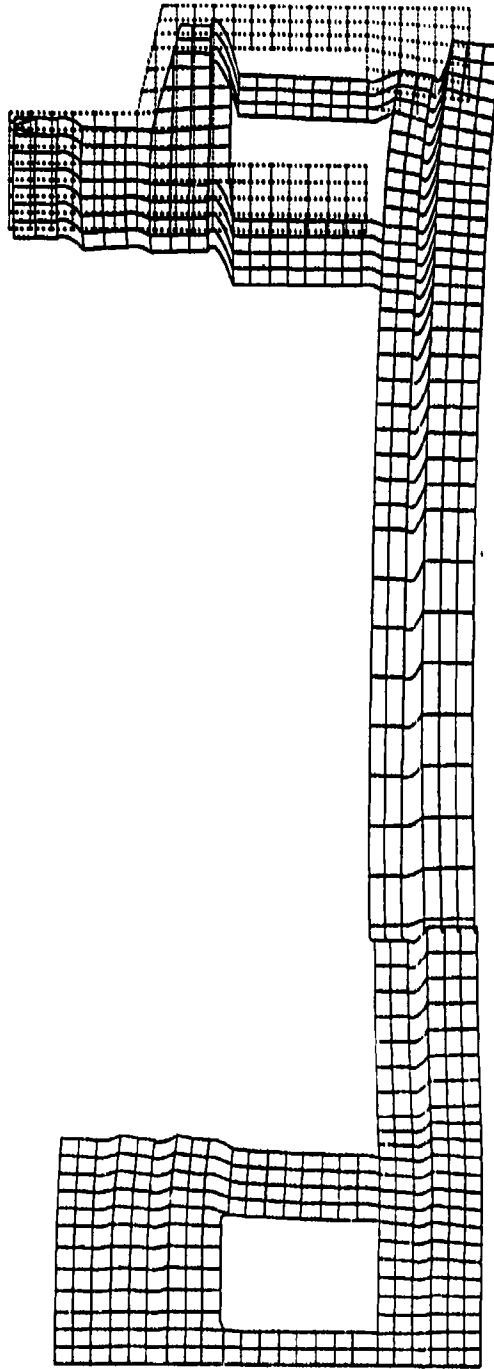


H13

1  
OLMSTED, BLOCK METHOD, JUNE 20 START, PL STAN, L1\_8

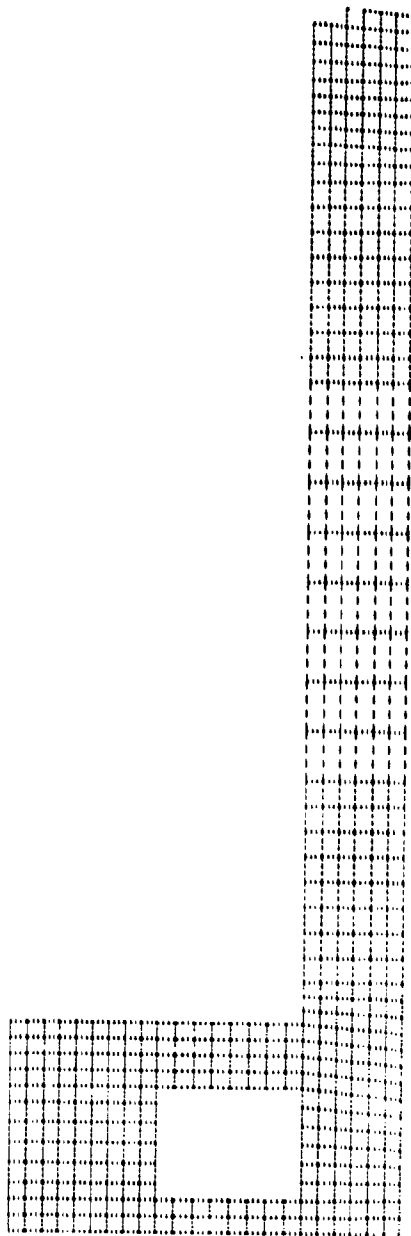
TIME COMPLETED IN THIS STEP +: 500E+01 TOTAL ACCUMULATED TIME +6.450E+01 STEP 33 INCREMENT 15

U  
MAG. FACTOR = +5.5E+02  
SOLID LINES - DISPLACED MESH  
DASHED LINES - ORIGINAL MESH

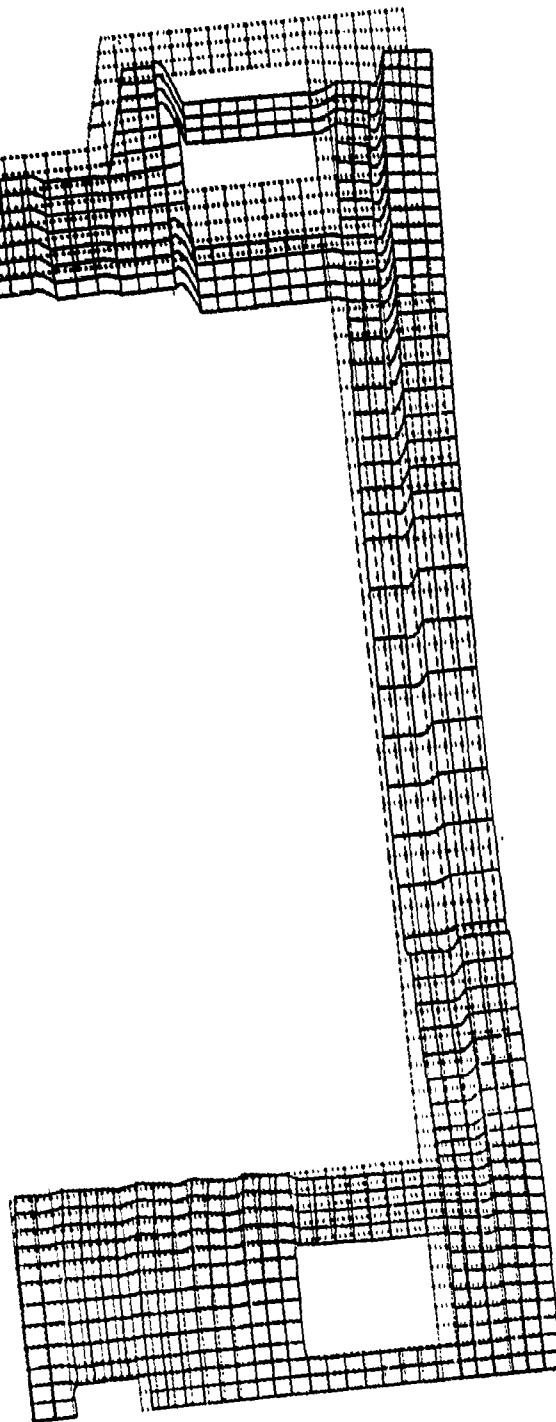


1

OLMSTED, BLOCK METHOD, JUNE 20 START, PL STN, L114  
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.450E+01 STEP 59 INCREMENT 6



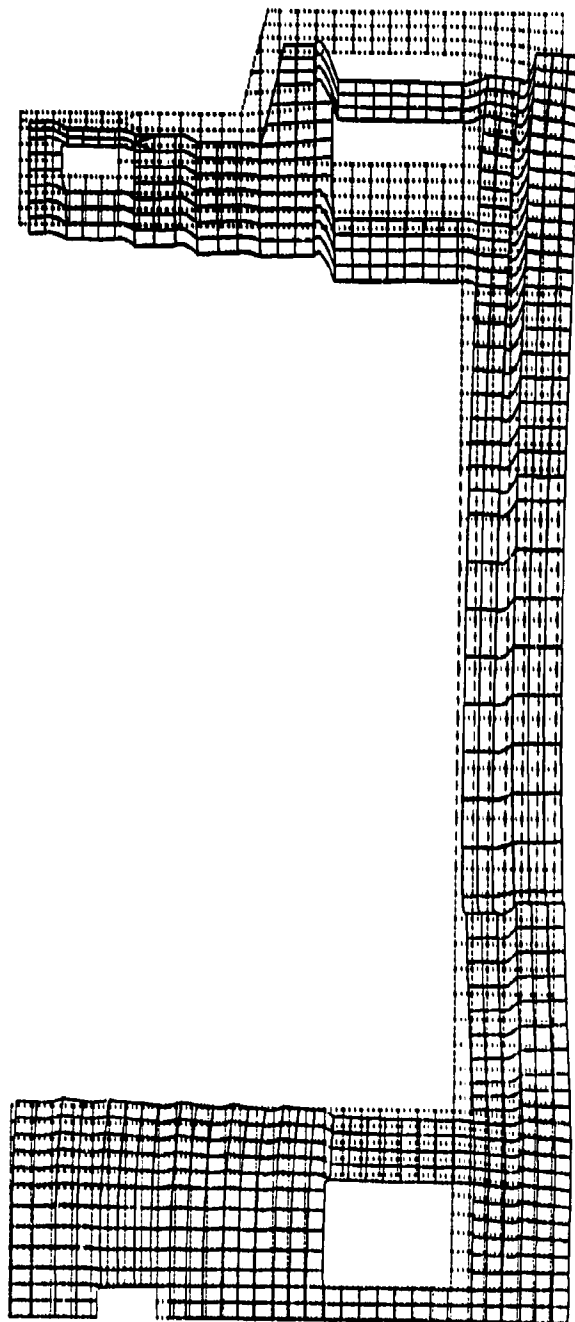
U  
MAG. FACTOR =  $+4.4E+02$   
SOLID LINES - DISPLACED MESH  
DASHED LINES - ORIGINAL MESH



H16

OLMSTED, BLOCK METHOD. JUNE 20 START. PL STN. L118  
TOTAL ACCUMULATED TIME  $+1.15E+02$  STEP 77 INCREMENT 1  
TYPE DISPLACEMENT IN THE X-Y-Z PLANE IS 0.000E+00

U  
MAG. FACTOR =  $+4.1E+02$   
SOLID LINES - DISPLACED MESH  
DASHED LINES - ORIGINAL MESH

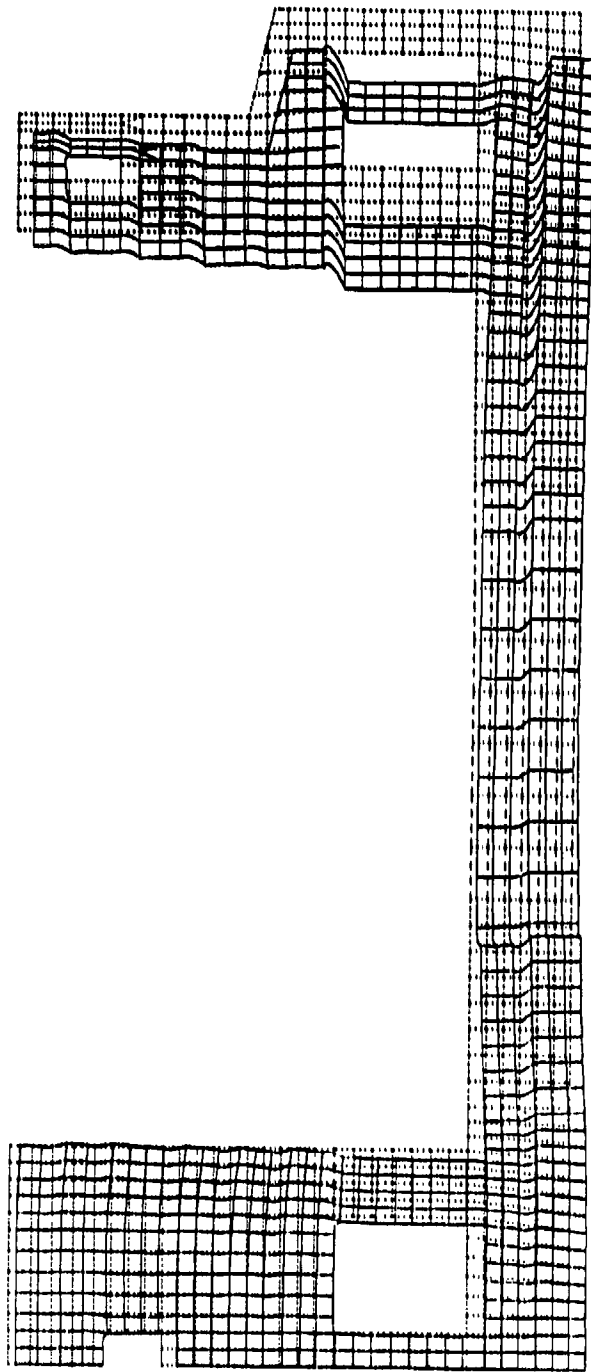


H17

OLMSTED, BLOCK METHOD. JUNE 20 START. PL STN. L119

TIME ELAPSED 28.1017 STEP 13.000000 TOTAL ACCUMULATED TIME 1.1195E+02 S STEP 81 INCREMENT 5

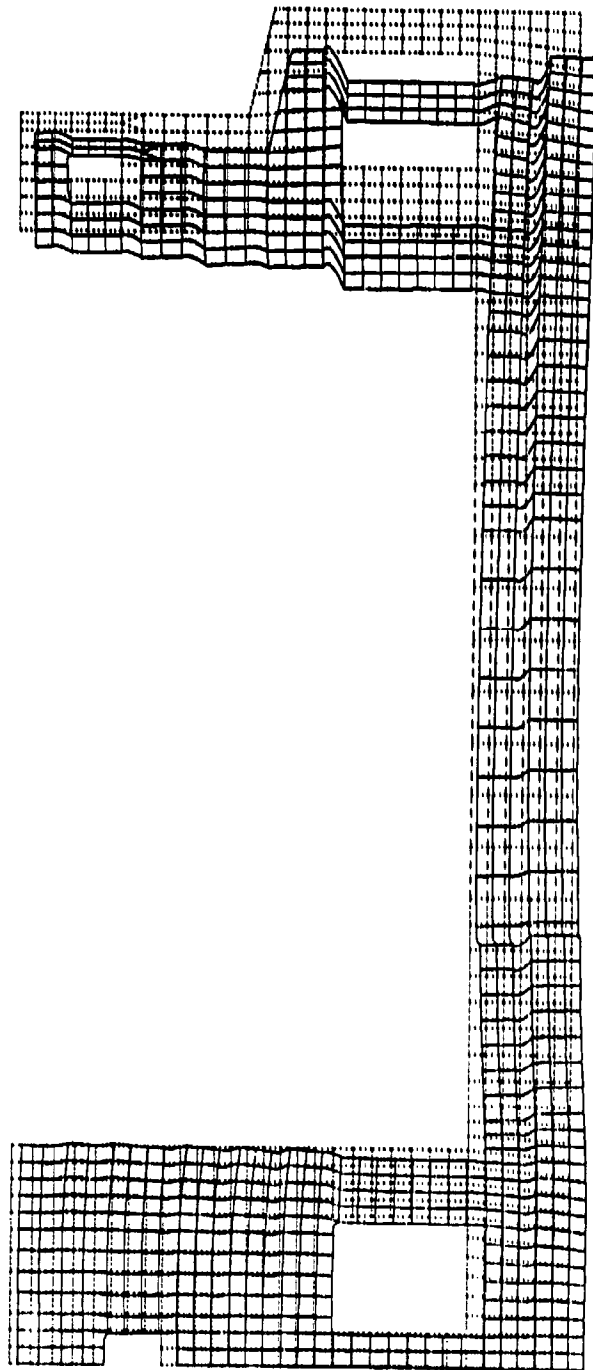
U  
MAG. FACTOR = +3.6E+02  
SOLID LINES - DISPLACED MESH  
DASHED LINES - ORIGINAL MESH



1  
OLMSTED. BLOCK METHOD. JUNE 20 START. PL STRN. L119

TIME COMPUTED IN THIS STEP +1.200E+01 TOTAL ACCUMULATED TIME +1.325E+02 STEP 82 INCREMENT 13

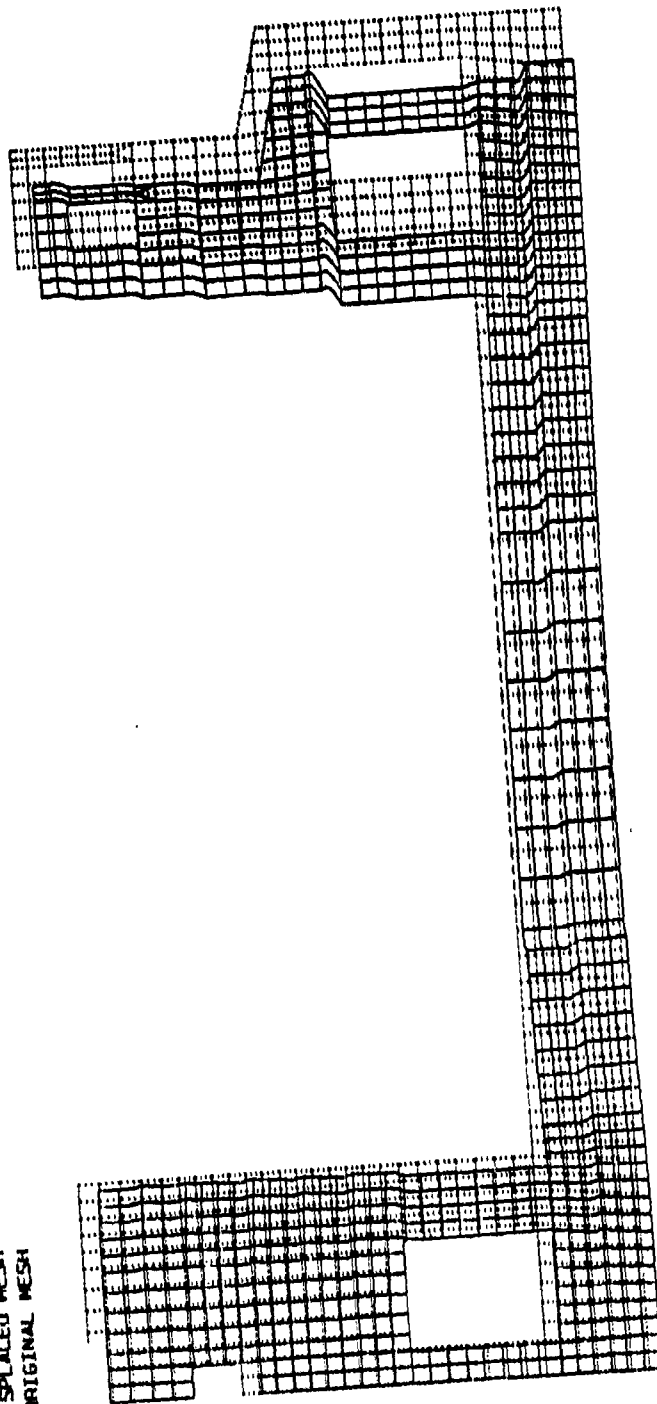
U  
MAG. FACTOR = +3.6E+02  
SOLID LINES - DISPLACED MESH  
DASHED LINES - ORIGINAL MESH



H19

OLMSTED. BLOCK METHOD. JUNE 20 START. PL STRN, L119  
TIME COMPLETED IN THIS STEP +1.000E+00 TOTAL ACCUMULATED TIME +1.335E+02 # STEP 63 INCREMENT 1

U  
MAG. FACTOR = +2.6E+02  
SOLID LINES - DISPLACED MESH  
DASHED LINES - ORIGINAL MESH



H20

1  
OLMSTED, BLOCK METHOD, JUNE 20 START, PL STRN. L119  
TIME COMPLETED IN THIS STEP +5 000E+01  
TOTAL ACCUMULATED TIME +1.835E+02 S STEP 84 INCREMENT 25



**APPENDIX I: 3-D STRESS CONTOURS**

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW DIRECTION  
 ambient temp = 77.5 deg. F  
 time = 10 days

S11	
VALUE	
1	-5.00E+01
2	-3.00E+01
3	-9.53E+00
4	+1.00E+01
5	+3.00E+01
6	+5.00E+01

I3

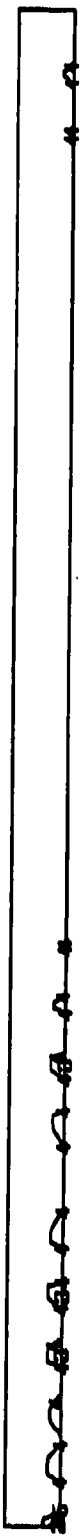


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_2  
 TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.600E+00 STEP 7 INCREMENT 6

B22  
VALUE

- 1 -2.00E+02
- 2 -1.40E+02
- 3 -8.00E+01
- 4 -1.95E+01
- 5 +4.00E+01
- 6 +1.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW DIRECTION  
 ambient temp = 77.5 deg. F  
 time = 10 days



14

1

3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_2

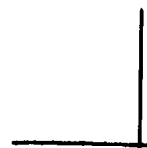
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.600E+00 STEP 7 INCREMENT 6

633  
VALUE

1	-1.00E+02
2	-6.00E+01
3	-1.99E+01
4	+2.00E+01
5	+6.00E+01
6	+1.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW DIRECTION  
 ambient temp = 77.5 deg. F  
 time = 10 days

15



3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_2

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.500E+00 STEP 7 INCREMENT 6

PRINT  
VALUE

1	-9.55E+00
2	+1.00E+01
3	+3.00E+01
4	+5.00E+01
5	+7.00E+01
6	+9.00E+01

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW DIRECTION  
ambient temp = 77.5 deg. F  
time = 10 days



1

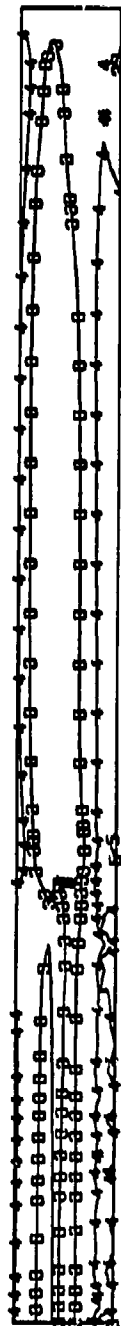
3-D FLOOR PLACEMENT 1. COARSE GRID, JUNE 20 START, L1\_2

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.500E+00 STEP 7 INCREMENT 5

S11  
VALUE

- 1 -1.00E+02
- 2 -6.00E+01
- 3 -1.99E+01
- 4 +2.00E+01
- 5 +6.00E+01
- 6 +1.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW DIRECTION  
 ambient temp = 79 deg. F  
 time = 30 days



1

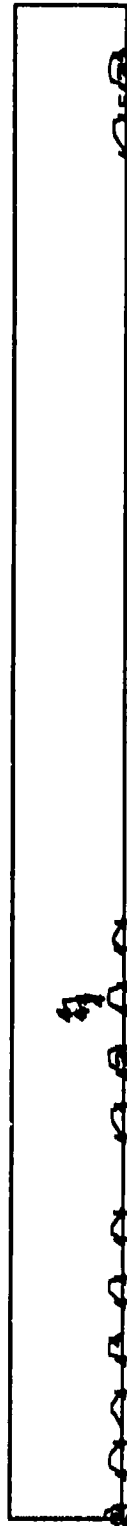
WFRAME FLR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_4

TIME COMPLETED IN THIS STEP +1.000E+01 TOTAL ACCUMULATED TIME +2.999E+01 STEP 16 INCREMENT 10

S22  
VALUE

1	-2.00E+02
2	-1.40E+02
3	-8.00E+01
4	-1.55E+01
5	+4.00E+01
6	+1.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW  
ambient temp = 79 deg. F  
time = 30 days



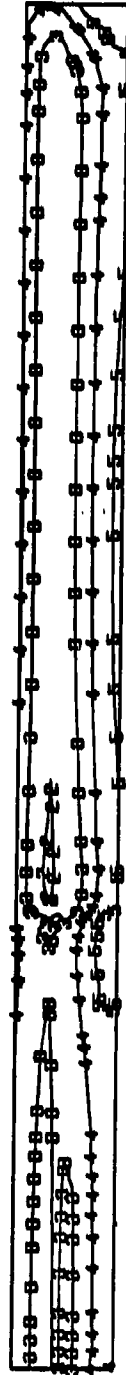
18

1  
WFRAME FLR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_4  
TIME COMPLETED IN THIS STEP +1.000E+01 TOTAL ACCUMULATED TIME +2.950E+01 STEP 16 INCREMENT 10

533  
VALUE

1	-1.00E+02
2	-6.00E+01
3	-1.55E+01
4	+2.00E+01
5	+6.00E+01
6	+1.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW DIRECTION  
ambient temp = 79 deg. F  
time = 30 days



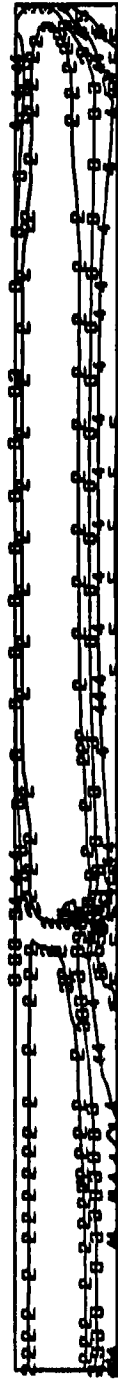
1  
WFRAME FLR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_4  
TIME COMPLETED IN THIS STEP +1.000E+01    TOTAL ACCUMULATED TIME +2.500E+01    STEP 15 INCREMENT 10



3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW  
 ambient temp = 79 deg. F  
 time = 30 days

PRINT  
 VALUE

1	-1.95E+01
2	+2.00E+00
3	+2.40E+01
4	+4.50E+01
5	+5.80E+01
6	+9.00E+01

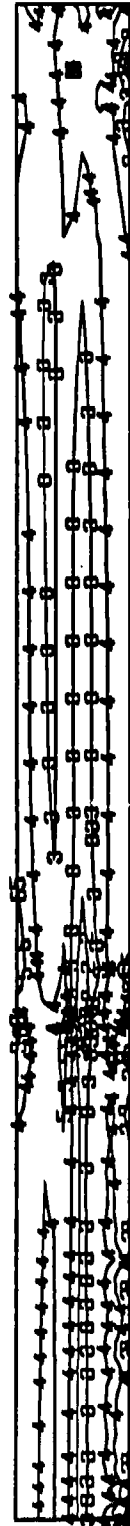


1  
 WFRAME FLR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_4  
 TIME COMPLETED IN THIS STEP +1.000E+01 TOTAL ACCUMULATED TIME +2.560E+01 STEP 15 INCREMENT 10

S11  
VALUE

1	-6.00E+01
2	-4.00E+01
3	-1.99E+01
4	+2.00E-05
5	+2.00E+01
6	+4.00E+01

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW  
ambient temp = 78.5 deg. F  
time = 40 days



I11

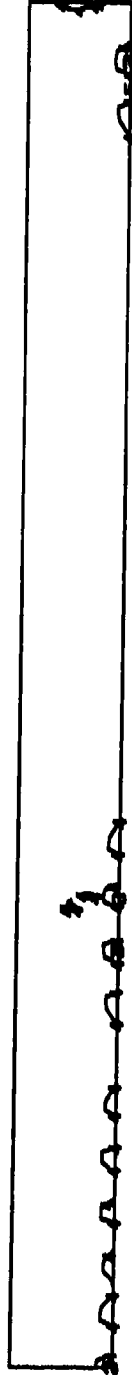
WFRAME FLR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_4

TIME COMPLETED IN THIS STEP +2.000E+01 TOTAL ACCUMULATED TIME +3.960E+01 STEP 15 INCREMENT 20

822  
VALUE

1	-2.00E+02
2	-1.40E+02
3	-8.00E+01
4	-1.99E+01
5	+4.00E+01
6	+1.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW DIRECTION  
ambient temp = 78.5 deg. F  
time = 40 days



WFRAME FLR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_4

TIME COMPLETED IN THIS STEP +2.000E+01 TOTAL ACCUMULATED TIME +3.999E+01 STEP 15 INCREMENT 20

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW  
 ambient temp = 78.5 deg.F  
 time = 40 days

SS3	VALUE
1	-3.00E+01
2	-1.19E+01
3	+6.00E+00
4	+2.40E+01
5	+4.20E+01
6	+5.00E+01

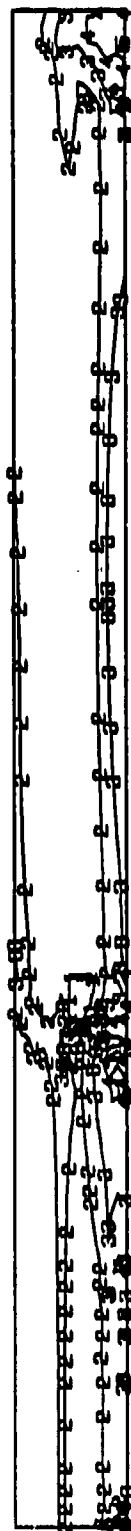


1  
 WFRAME FLR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_4  
 TIME COMPLETED IN THIS STEP +2.000E+01 TOTAL ACCUMULATED TIME +3.580E+01 STEP 16 INCREMENT 20

PRINT  
VALUE

1	-9.95E+00
2	+8.00E+00
3	+2.60E+01
4	+4.40E+01
5	+6.20E+01
6	+8.00E+01

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW DIRECTION  
ambient temp = 78.5 deg. F  
time = 40 days



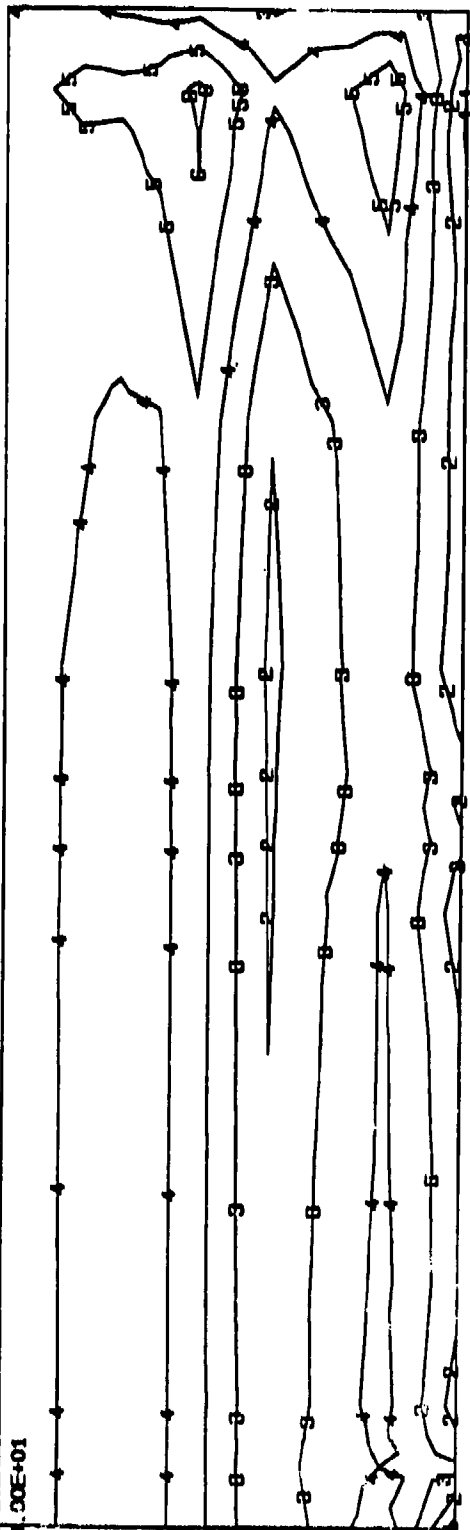
1  
WFRAME FLR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_4

TIME COMPLETED IN THIS STEP +2.000E+01 TOTAL ACCUMULATED TIME +3.956E+01 STEP 16 INCREMENT 20

S11  
VALUE

1 -5.00E+01  
2 -3.20E+01  
3 -1.35E+01  
4 +4.00E+00  
5 +2.20E+01  
6 +4.00E+01

3-D ANALYSIS, CENTER PLANE PARALLEL TO FLOW  
ambient temp = 78.5 deg. F  
time = 40 days

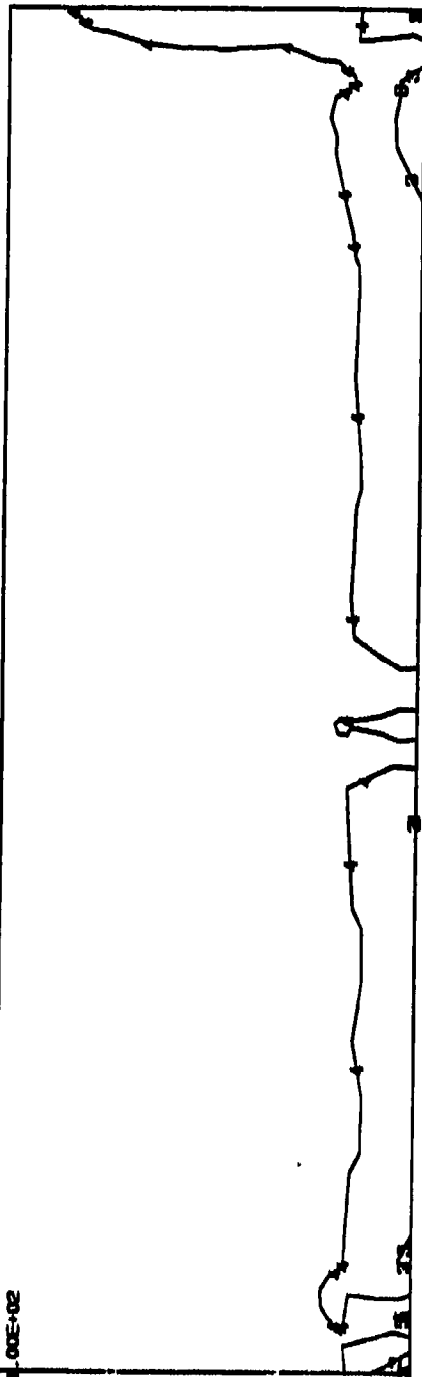


WFRAME FLR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_4  
TIME COMPLETED IN THIS STEP +2.000E+01    TOTAL ACCUMULATED TIME +3.950E+01    STEP 16 INCREMENT 20

522  
VALUE

1	-2.00E+02
2	-1.40E+02
3	-8.00E+01
4	-1.50E+01
5	+4.00E+01
6	+3.00E+02

3-D ANALYSIS, CENTER PLANE PARALLEL TO FLOW DIRECTION  
ambient temp = 78.5 deg. F  
time = 40 days



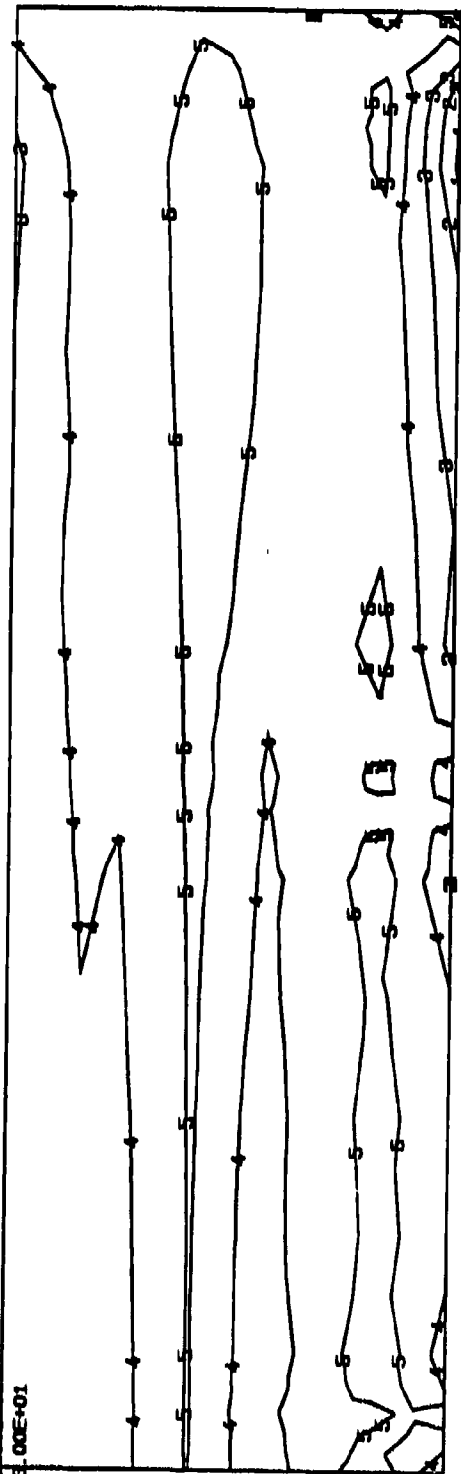
WFRAME FLR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_4

TIME COMPLETED IN THIS STEP +2.000E+01 TOTAL ACCUMULATED TIME +8.900E+01 5 STEP 15 INCREMENT 20

633  
VALUE

1 -7.00E+01  
2 -5.00E+01  
3 -3.00E+01  
4 -9.99E+00  
5 +1.00E+01  
6 +3.00E+01

3-D ANALYSIS, CENTER PLANE PARALLEL TO FLOW DIRECTION  
ambient temp = 78.5 deg. F  
time = 40 days



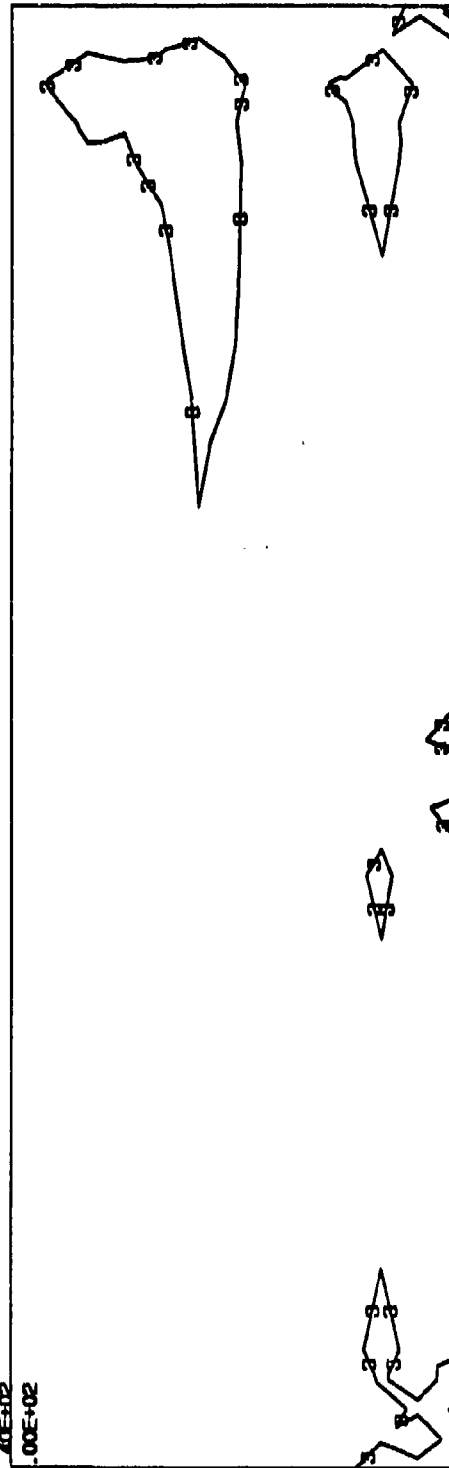
WFRAME FLR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_4  
TIME COMPLETED IN THIS STEP +2.000E+01    TOTAL ACCUMULATED TIME +3.990E+01    STEP 15 INCREMENT 20



PRIN3  
VALUE

1	-1.00E+02
2	-3.95E+01
3	+2.00E+01
4	+8.00E+01
5	+1.40E+02
6	+2.00E+02

3-D ANALYSIS, CENTER PLANE PARALLEL TO FLOW AXIS  
ambient temp = 78.5 deg. F  
time = 40 days



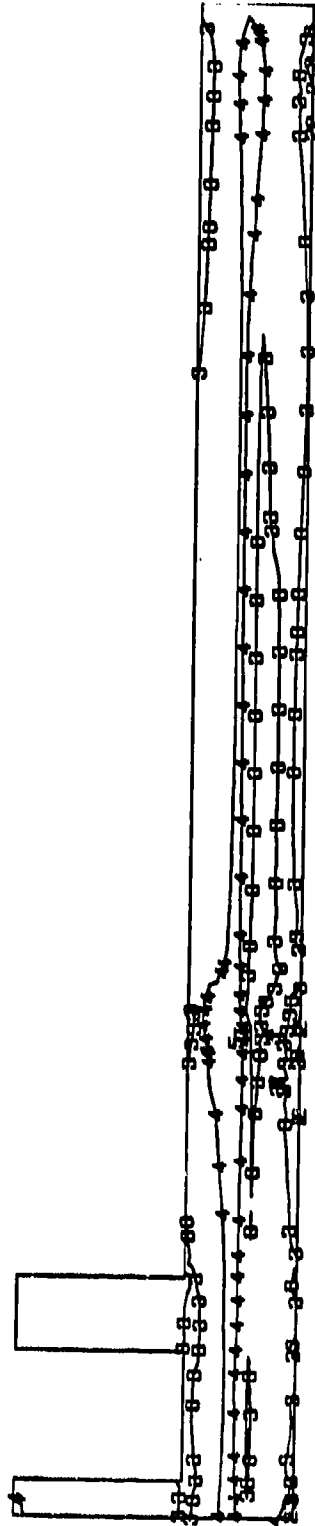
WFRAME FLR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_4

TIME COMPLETED IN THIS STEP +2.000E+01 TOTAL ACCUMULATED TIME +3.950E+01 STEP 16 INCREMENT 20

S11  
VALUE

1	-1.00E+02
2	-6.00E+01
3	-1.99E+01
4	+2.00E+01
5	+6.00E+01
6	+1.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS  
ambient temp = 76.9 deg. F  
time = 55 days



119

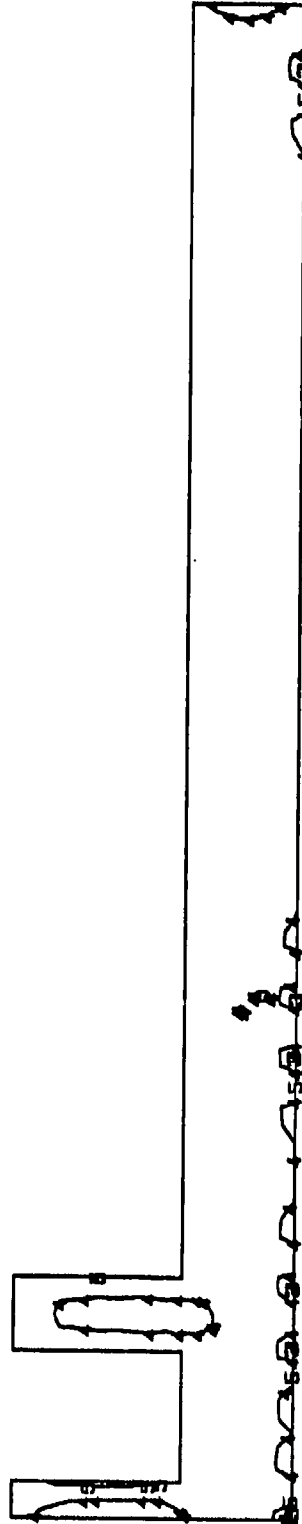
1  
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_8  
TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +5.460E+01 STEP 25 INCREMENT 6

S22

VALUE

1	-2.00E+02
2	-1.40E+02
3	-8.00E+01
4	-1.99E+01
5	+4.00E+01
6	+1.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS  
 ambient temp = 76.9 deg. F  
 time = 55 days



120

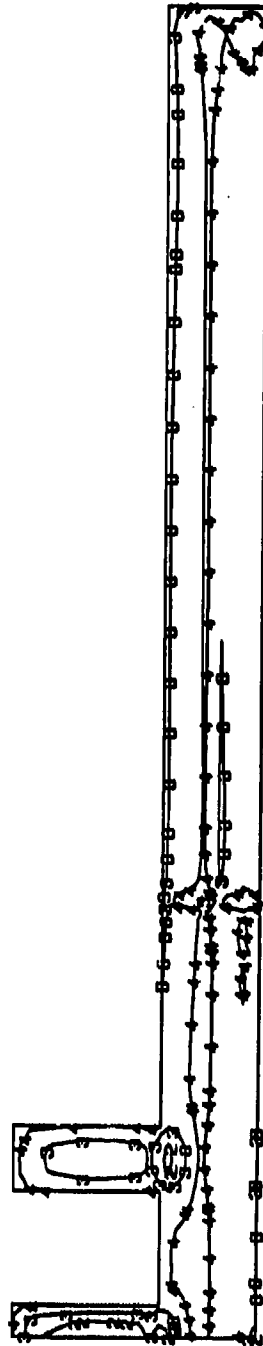
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_8

TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +5.450E+01 STEP 26 INCREMENT 5

S33  
VALUE

1	-1.00E+02
2	-6.00E+01
3	-1.95E+01
4	+2.00E+01
5	+6.00E+01
6	+1.00E+02

3-D ANALYSIS, CENTER SECTION TRANSVERSE TO FLOW AXIS  
ambient temp = 76.9 deg. F  
time = 55 days



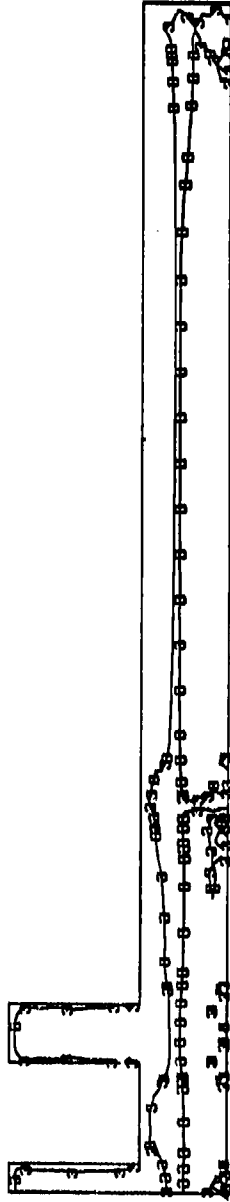
121

3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_8  
TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +5.450E+01 5 STEP 25 INCREMENT 5

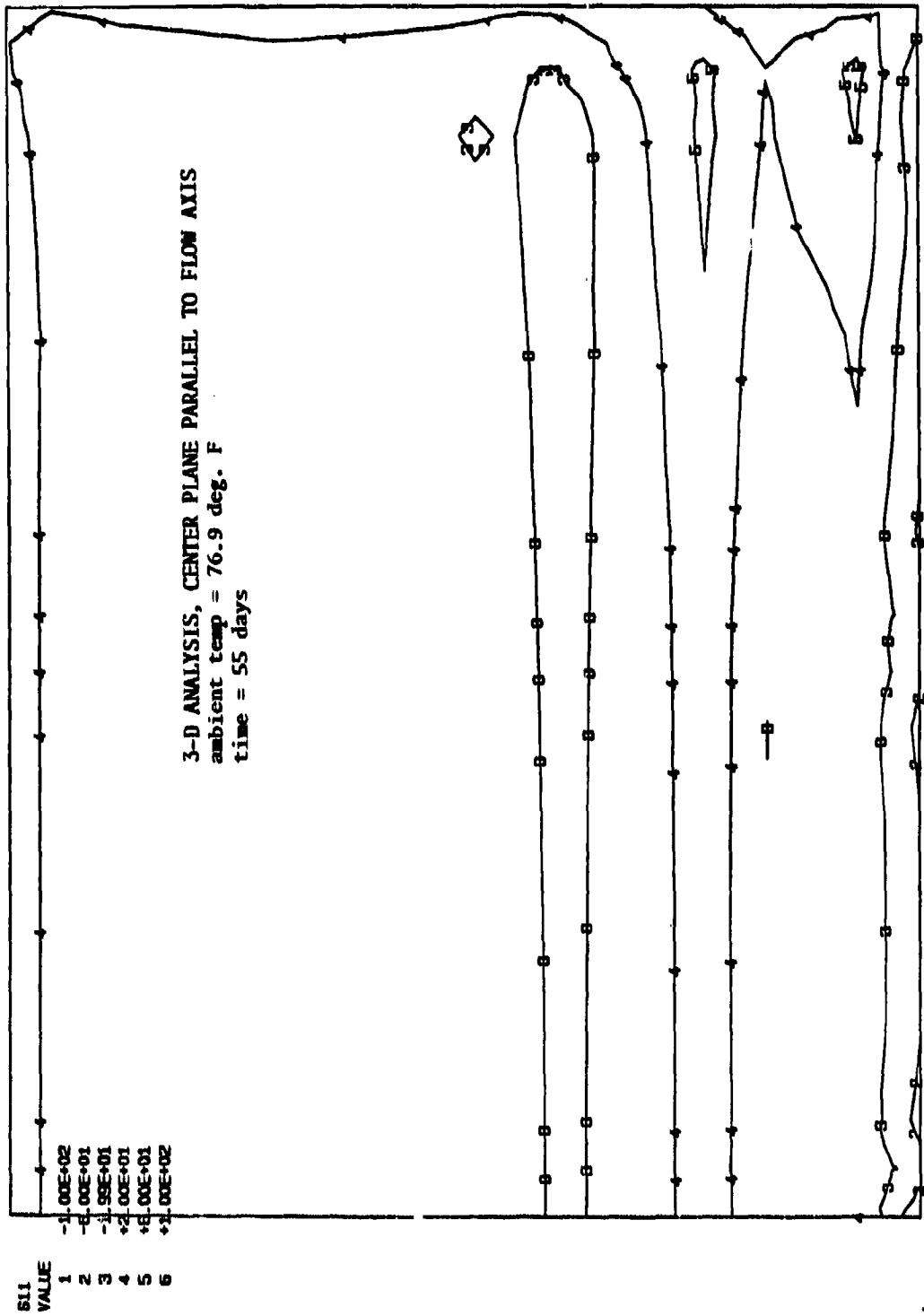
PRINT  
VALUE

1	-1.00E+02
2	-3.99E+01
3	+2.00E+01
4	+8.00E+01
5	+1.40E+02
6	+2.00E+02

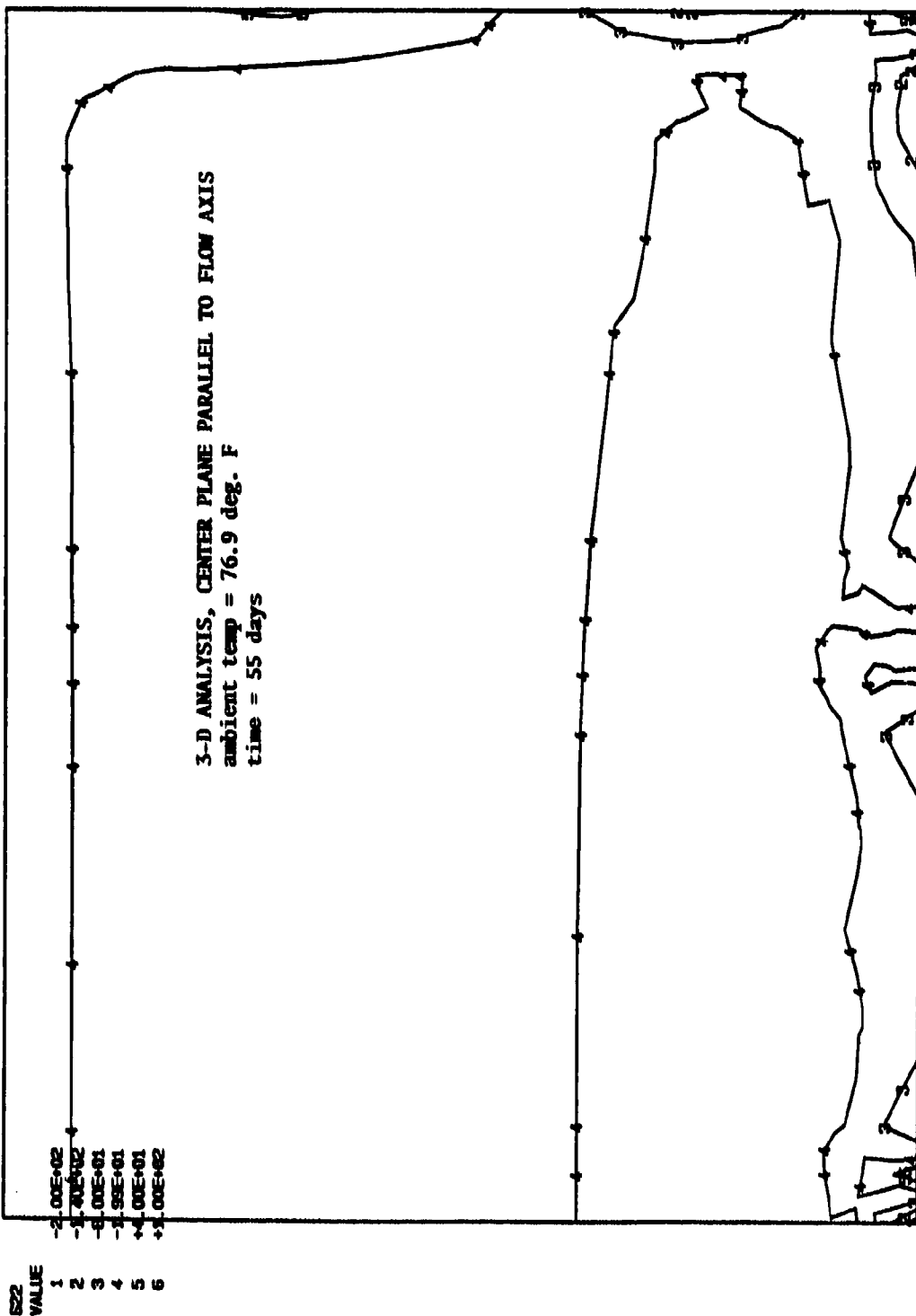
3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS  
ambient temp = 76.9 deg. F  
time = 55 days



3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_8  
TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +5.460E+01 6 STEP 25 INCREMENT 5

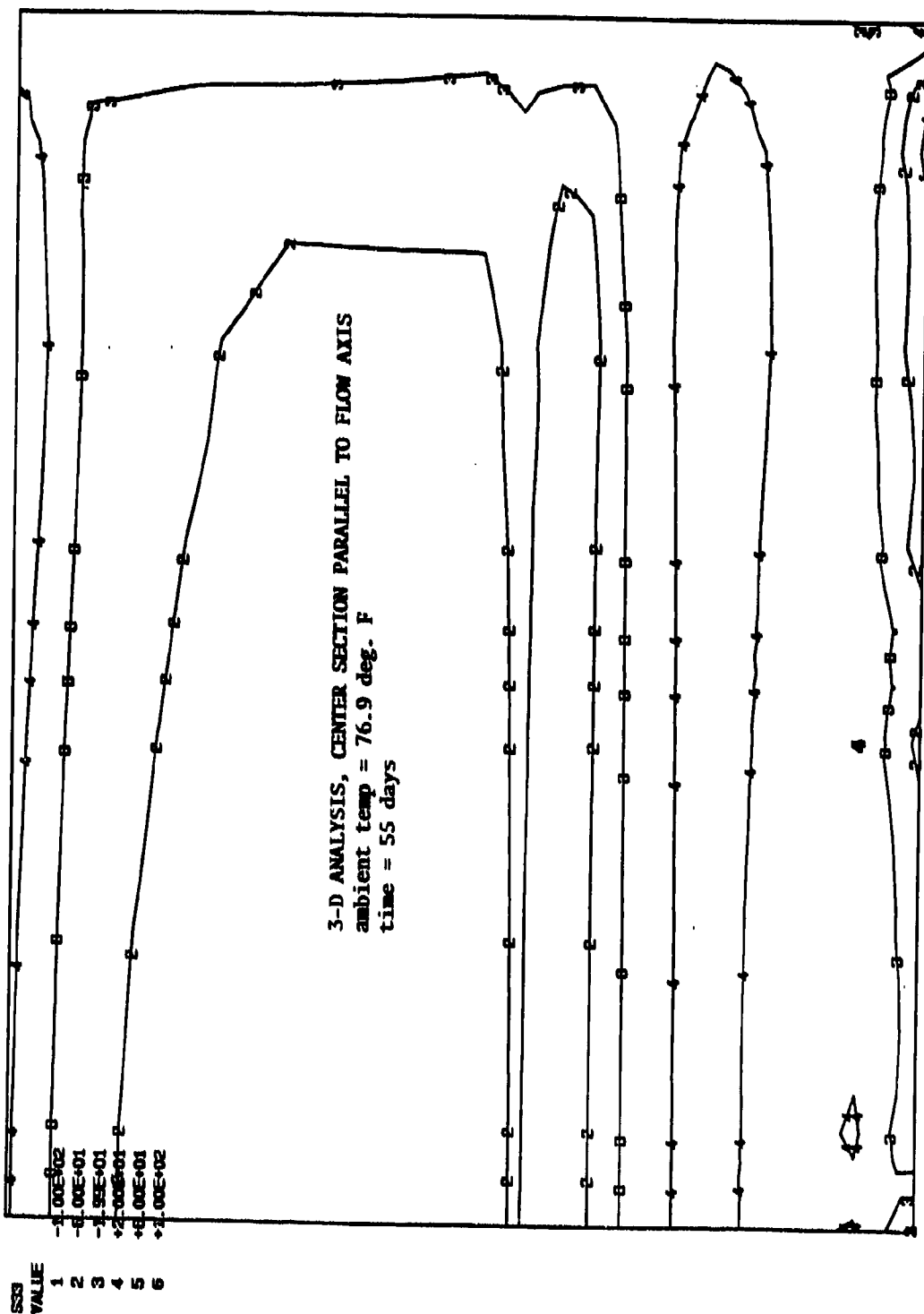


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_8  
 TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +5.450E+01 STEP 25 INCREMENT 5



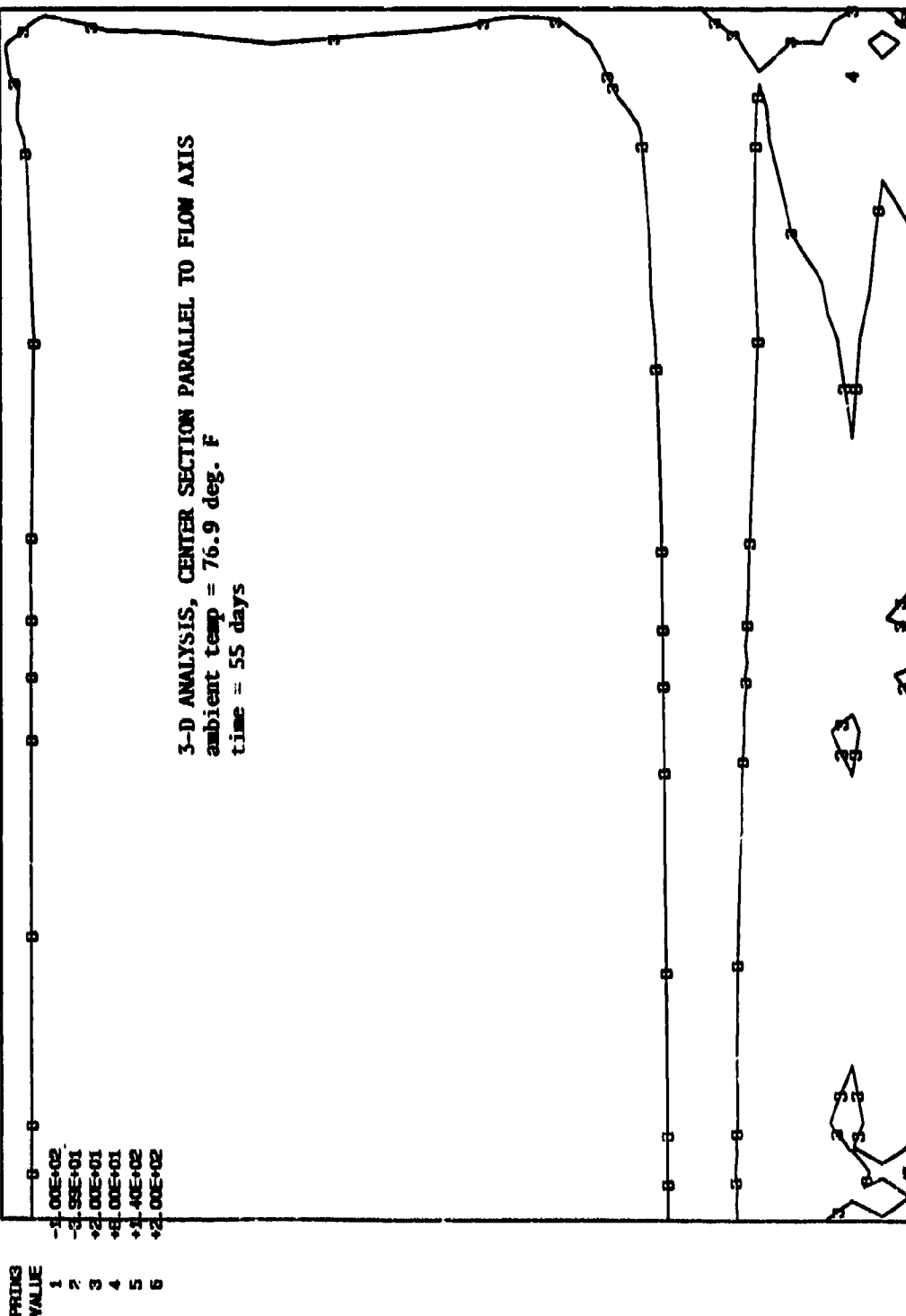
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_8

TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +5.450E+01 8 STEP 26 INCREMENT 5



3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_8  
TIME COMPLETED IN THIS STEP +6.000E+00 TOTAL ACCUMULATED TIME +5.450E+01 8 STEP 26 INCREMENT 6



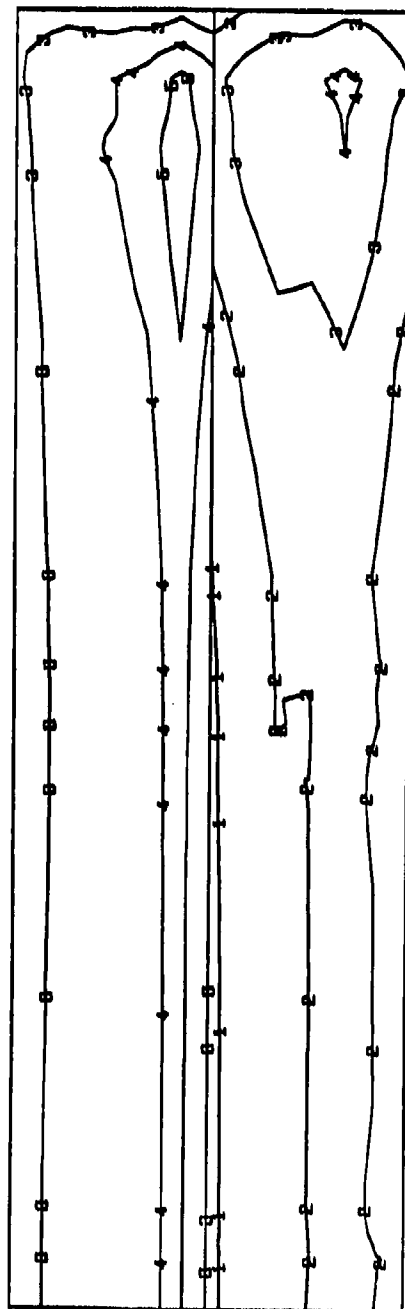


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_8  
TIME COMPLETED IN THIS STEP +6.000E+00 TOTAL ACCUMULATED TIME +5.460E+01 8 STEP 26 INCREMENT 5

S11  
VALUE

1	-4.00E+01
2	-1.55E+01
3	+2.00E-05
4	+2.00E+01
5	+4.00E+01
6	+5.00E+01

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4  
ambient temp = 76.9 deg. F  
time = 55 days

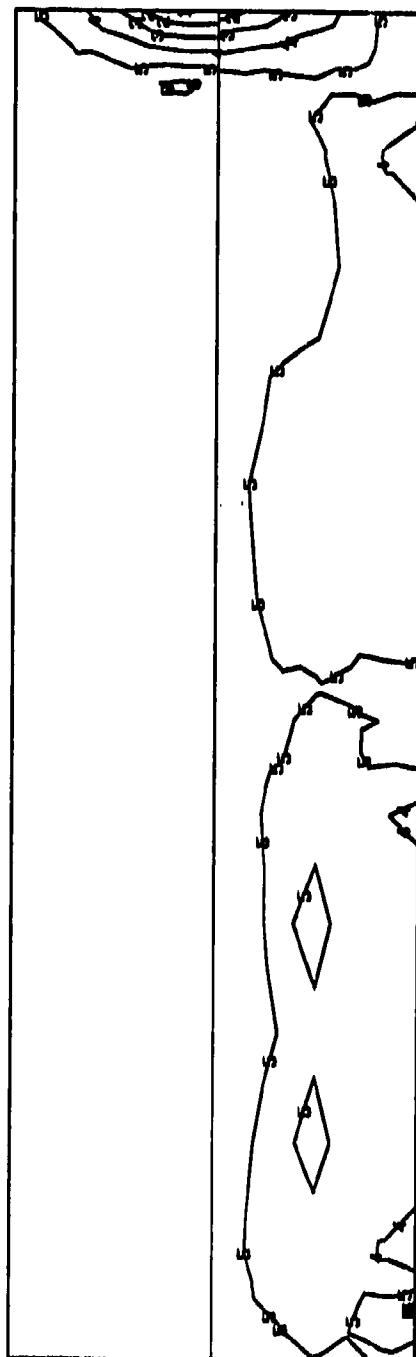


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_8  
TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +5.450E+01 8 STEP 26 INCREMENT 5

622  
VALUE

1 -8.00E+01  
2 -6.20E+01  
3 -4.40E+01  
4 -2.60E+01  
5 -7.99E+00  
6 +1.00E+01

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4  
ambient temp = 76.9 deg. F  
time = 55 days

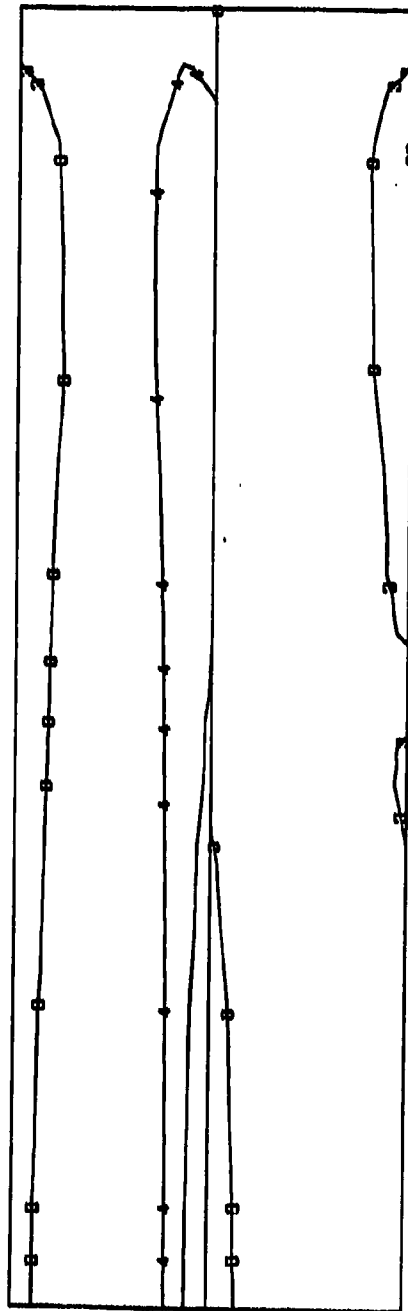


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_8  
TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +5.450E+01 IN STEP 25 INCREMENT 5

SS3  
VALUE

1	-1.00E+02
2	-6.00E+01
3	-1.98E+01
4	+2.00E+01
5	+6.00E+01
6	+1.00E+02

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4  
ambient temp = 76.9 deg. F  
time = 55 days

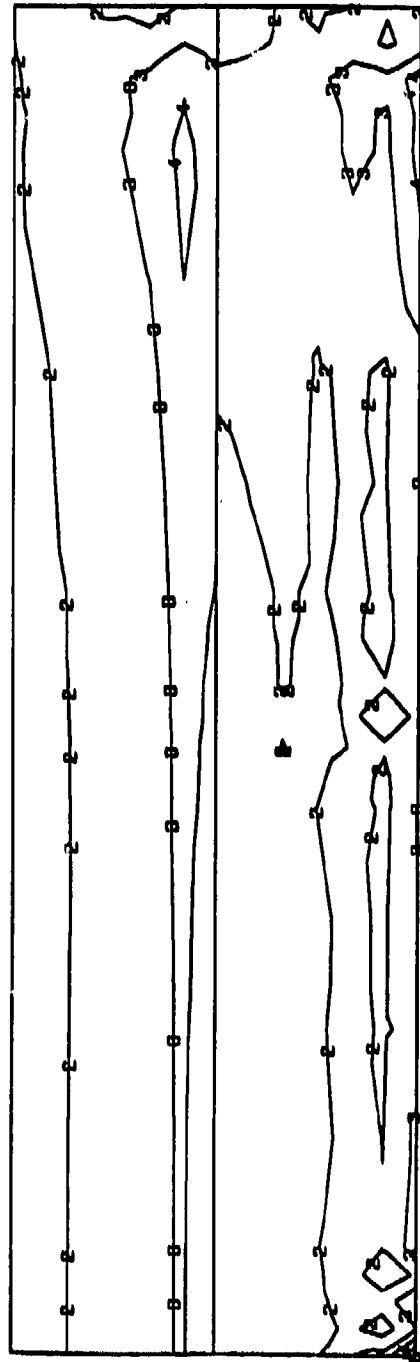


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_8  
TIME COMPLETED IN THIS STEP +6.000E+00 TOTAL ACCUMULATED TIME +6.480E+01 8 STEP 25 INCREMENT 5

PRIMS  
VALUE

1	-1.99E+01
2	+2.00E+00
3	+2.40E+01
4	+4.60E+01
5	+6.60E+01
6	+9.00E+01

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4  
ambient temp = 76.9 deg. F  
time = 55 days

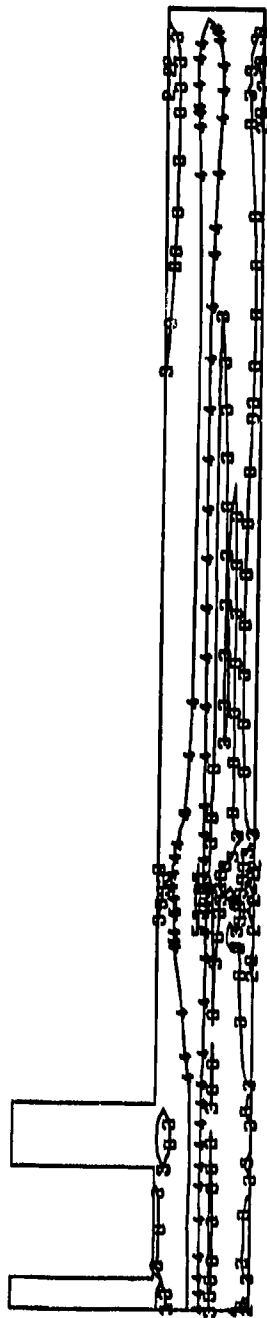


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_8  
TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +5.450E+01 STEP 25 INCREMENT 5

SI1  
VALUE

1	-1.00E+02
2	-6.00E+01
3	-1.99E+01
4	+2.00E+01
5	+6.00E+01
6	+1.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS  
ambient temp = 75.7 deg. F  
time = 65 days



I31

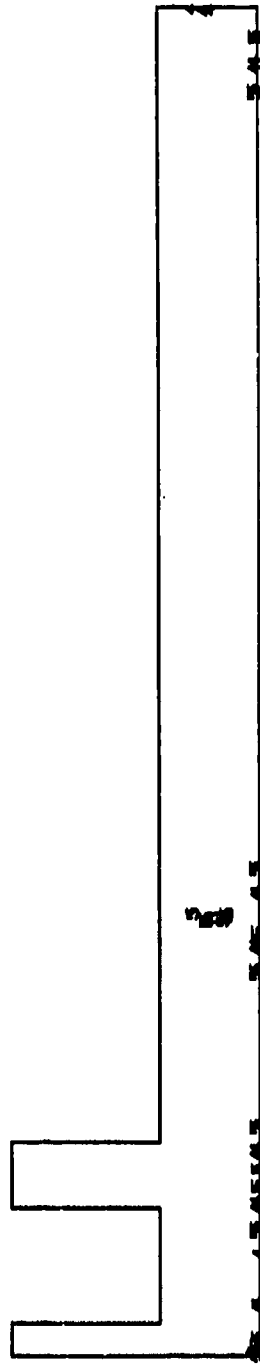
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_8

TIME COMPLETED IN THIS STEP +1.600E+01 TOTAL ACCUMULATED TIME +6.460E+01 STEP 25 INCREMENT 15

822  
VALUE

1	-3.00E+02
2	-2.20E+02
3	-1.40E+02
4	-5.99E+01
5	+2.00E+01
6	+1.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS  
ambient temp = 75.7 deg. F  
time = 65 days



I32

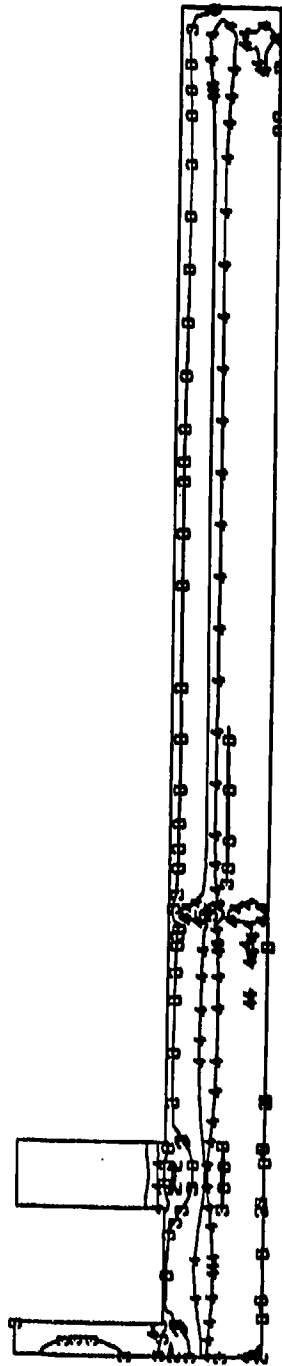
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_B  
TIME COMPLETED IN THIS STEP +1.500E+01 TOTAL ACCUMULATED TIME +6.450E+01 8 STEP 26 INCREMENT 15

533

VALUE

1	-1.00E+02
2	-6.00E+01
3	-1.93E+01
4	+2.00E+01
5	+6.00E+01
6	+1.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS  
 ambient temp = 75.7 deg.F  
 time = 65 days



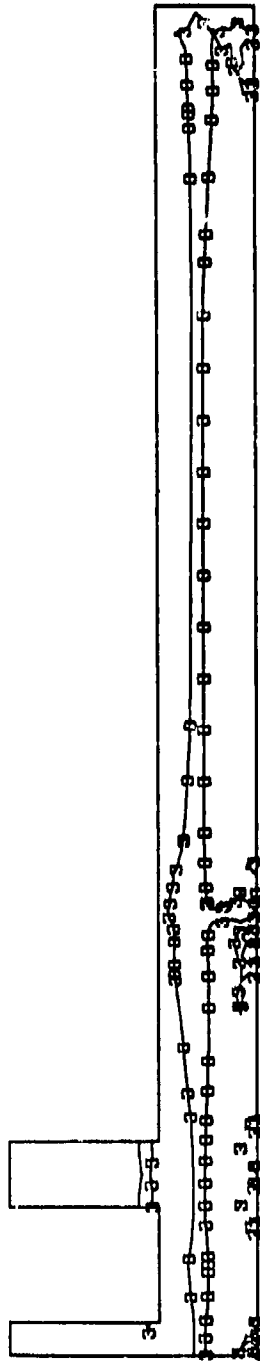
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_8  
 TIME COMPLETED IN THIS STEP +1.600E+01  
 TOTAL ACCUMULATED TIME +6.400E+01 8 STEP 26 INCREMENT 16



PRINT  
VALUE

1	-1.0E+02
2	-3.93E+01
3	+2.00E+01
4	+8.00E+01
5	+1.40E+02
6	+2.00E+02

3-- ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS  
ambient temp = 75.7 deg. F  
time = 65 days



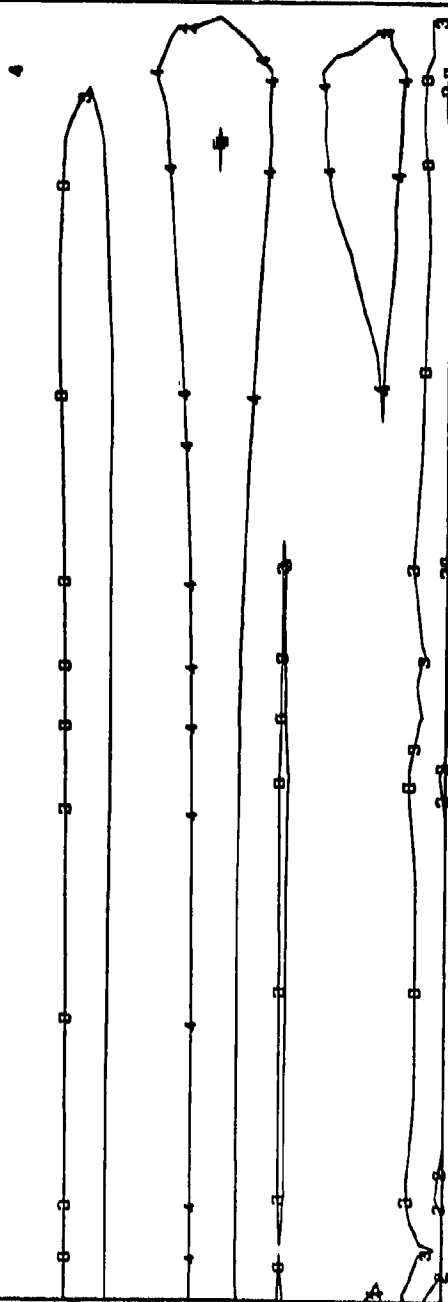
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_8

TIME COMPLETED IN THIS STEP +1.600E+01 TOTAL ACCUMULATED TIME +6.460E+01 STEP 25 INCREMENT 15

S11  
VALUE

1	-1.00E+02
2	-6.00E+01
3	-1.99E+01
4	+2.00E+01
5	+6.00E+01
6	+1.00E+02

3-D ANALYSIS, CENTER PLANE PARALLEL TO FLOW AXIS  
ambient temp = 75.7 deg. F  
time = 65 days



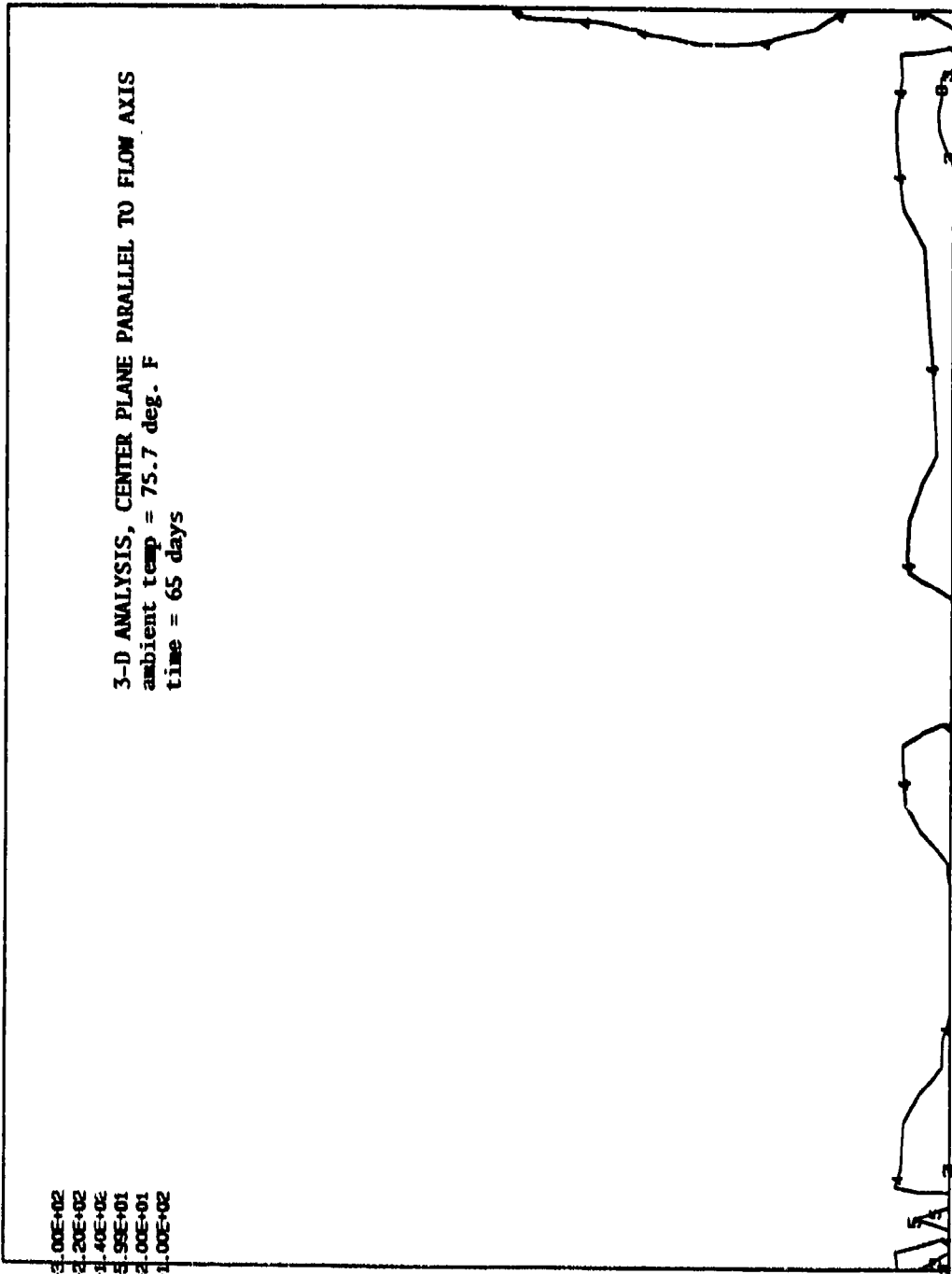
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_B

TIME COMPLETED IN THIS STEP +1.500E+01 TOTAL ACCUMULATED TIME +5.450E+01 STEP 25 INCREMENT 15

S22  
VALUE

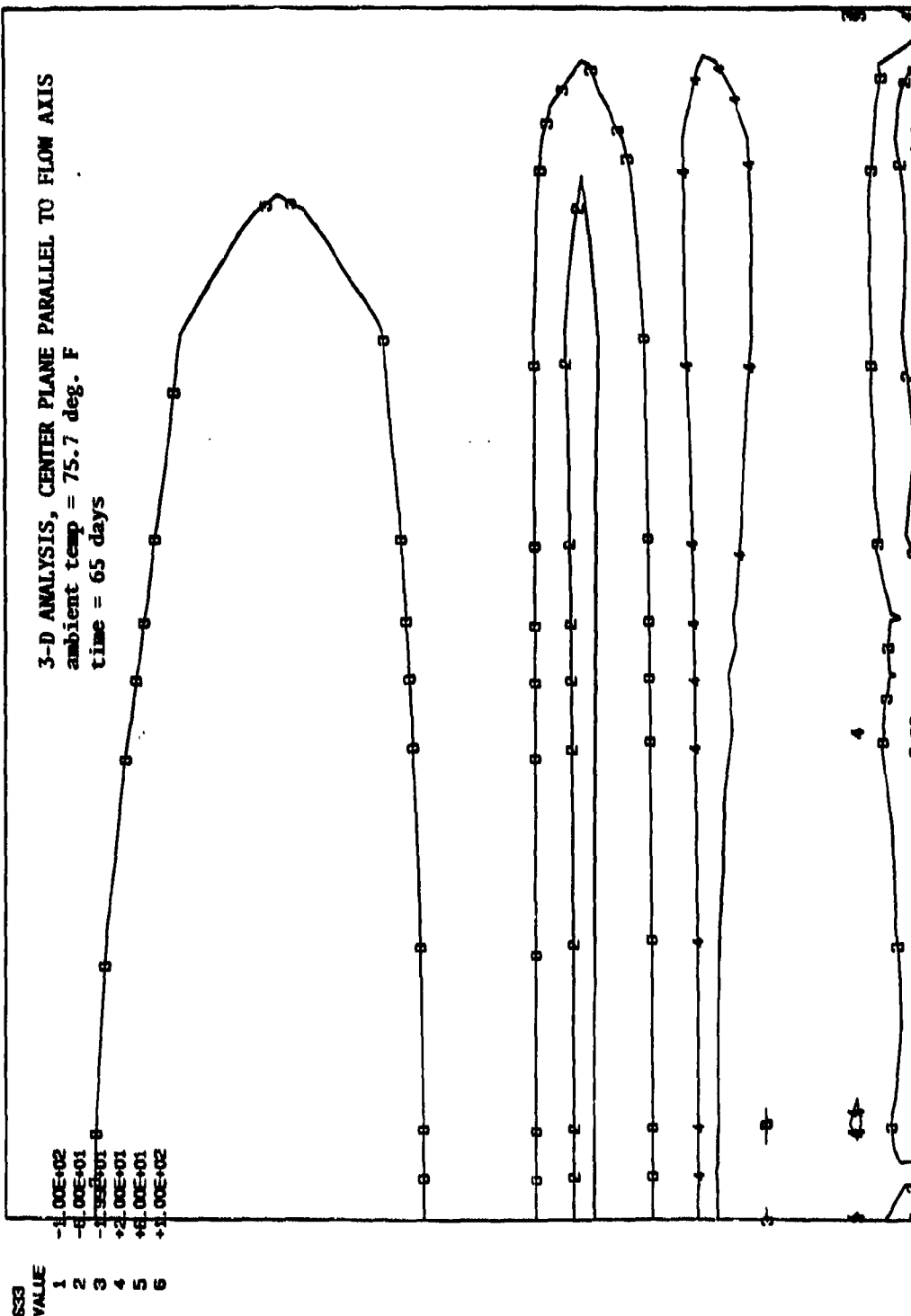
1	-3.00E+02
2	-2.20E+02
3	-1.40E+02
4	-5.93E+01
5	+2.00E+01
6	+1.00E+02

3-D ANALYSIS, CENTER PLANE PARALLEL TO FLOW AXIS  
ambient temp = 75.7 deg. F  
time = 65 days



3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_8

TIME COMPLETED IN THIS STEP +1.500E+01 TOTAL ACCUMULATED TIME +6.450E+01 STEP 25 INCREMENT 15

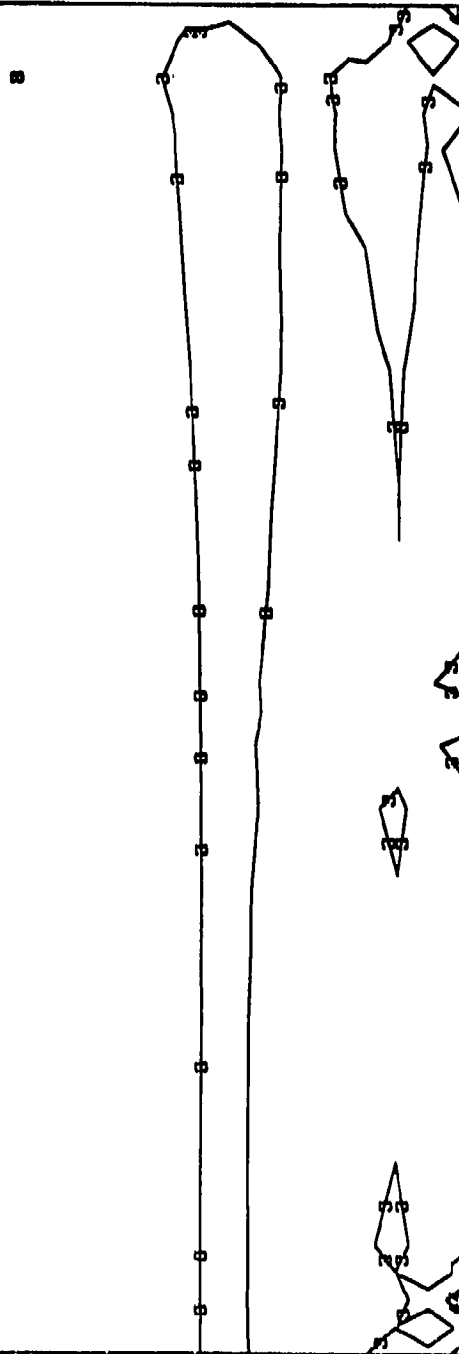


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_8  
 TIME COMPLETED IN THIS STEP +1.500E+01 TOTAL ACCUMULATED TIME +5.480E+01 8 STEP 26 INCREMENT 15

PRINT  
VALUE

1 -1.00E+02  
2 -3.99E+01  
3 +2.00E+01  
4 +8.00E+01  
5 +1.40E+02  
6 +2.00E+02

3-D ANALYSIS, CENTER PLANE PARALLEL TO FLOW AXIS  
ambient temp = 75.7 deg. F  
time = 65 days

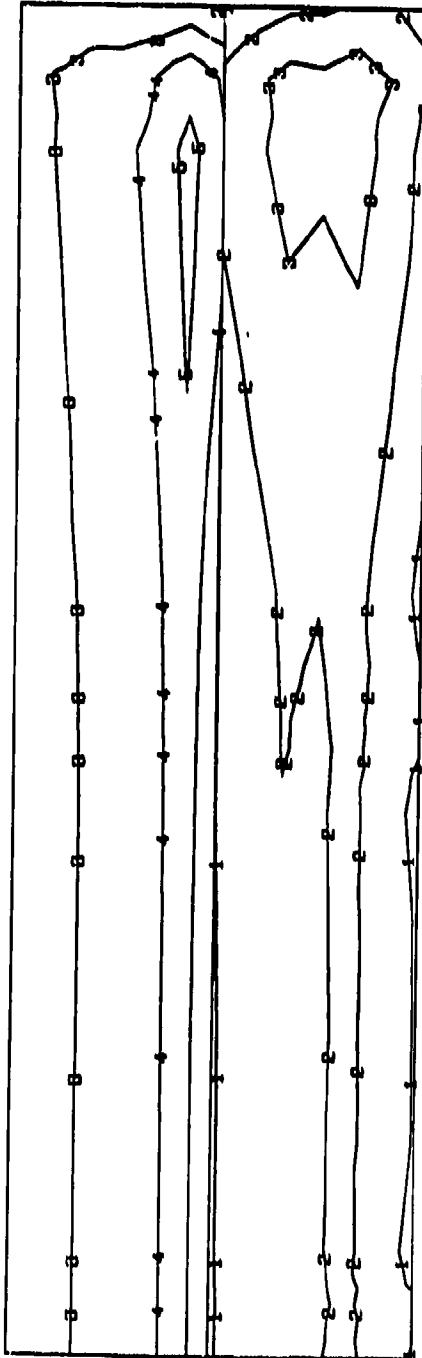


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_B  
TIME COMPLETED IN THIS STEP +1.500E+01 TOTAL ACCUMULATED TIME +6.450E+01 STEP 25 INCREMENT 15

S11  
VALUE

1	-4.00E+01
2	-1.75E+01
3	+4.00E+00
4	+2.50E+01
5	+4.80E+01
6	+7.00E+01

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4  
ambient temp = 75.7 deg. F  
time = 65 days

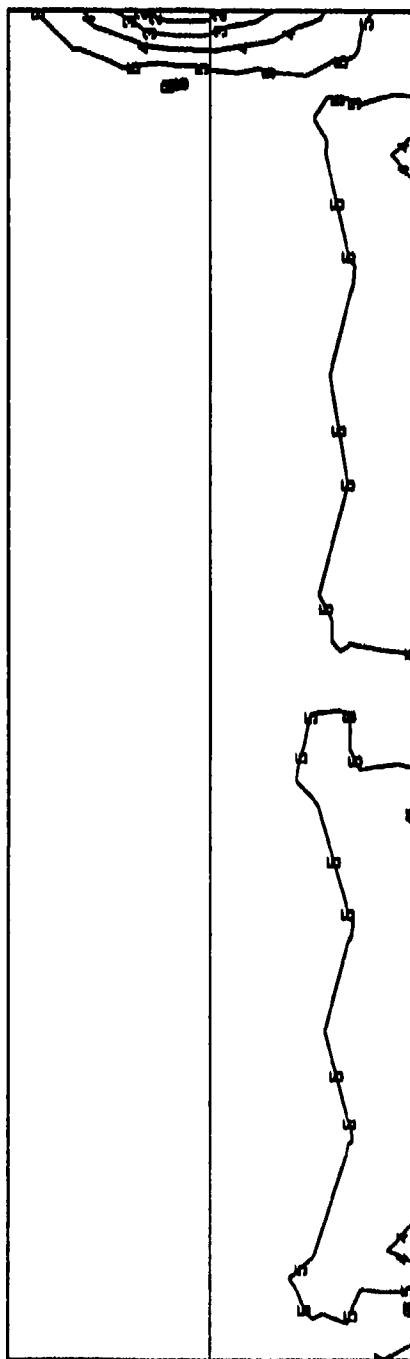


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_8  
TIME COMPLETED IN THIS STEP +1.500E+01    TOTAL ACCUMULATED TIME +6.400E+01    STEP 25 INCREMENT 15

2  
LINE

1 -9.00E+01  
2 -7.00E+01  
3 -5.00E+01  
4 -3.00E+01  
5 -9.99E+00  
6 +1.00E+01

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4  
ambient temp = 75.7 deg. F  
time = 65 days



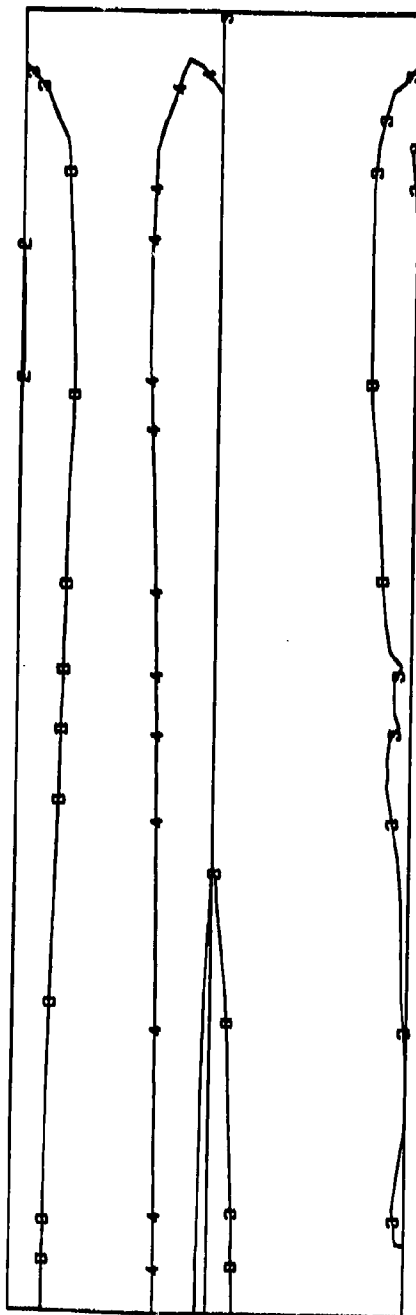
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_8

TIME COMPLETED IN THIS STEP +1.600E+01 TOTAL ACCUMULATED TIME +6.400E+01 STEP 25 INCREMENT 15

3  
LINE

1 -1.00E+02  
2 -6.00E+01  
3 -1.99E+01  
4 +2.00E+01  
5 +6.00E+01  
6 +1.00E+02

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4  
ambient temp = 75.7 deg. F  
time = 65 days



3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_8  
TIME COMPLETED IN THIS STEP +1.600E+01 TOTAL ACCUMULATED TIME +6.400E+01 STEP 26 INCREMENT 15



1	-1.99E+01
2	+2.00E+00
3	+2.40E+01
4	+4.60E+01
5	+6.80E+01
6	+9.00E+01

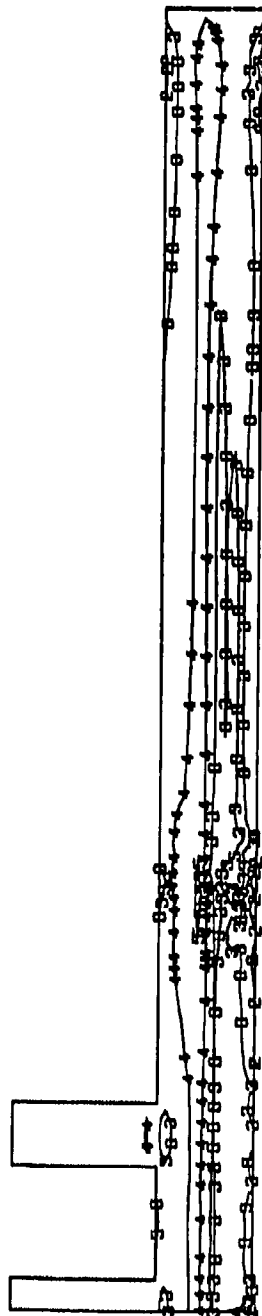
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_8

TIME COMPLETED IN THIS STEP	+1.500E+01	TOTAL ACCUMULATED TIME	+6.450E+01	STEP 26 INCREMENT	15
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1.5E

- 1 -1.00E+02
- 2 -5.00E+01
- 3 -1.99E+01
- 4 +2.00E+01
- 5 +6.00E+01
- 6 +1.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS  
 ambient temp = 74.7 deg. F  
 time = 70 days



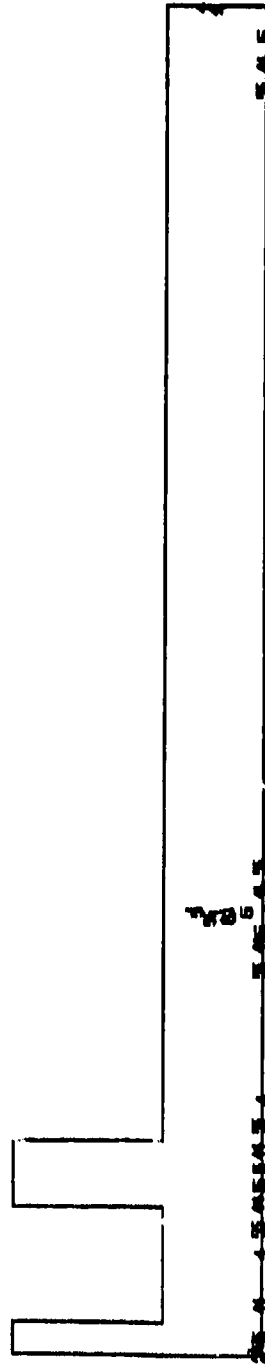
143

<sup>1</sup>  
 3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_8  
 TIME COMPLETED IN THIS STEP +2.000E+01 TOTAL ACCUMULATED TIME +6.950E+01 STEP 26 INCREMENT 20

2 LUE

1 -3.00E+02  
 2 -2.20E+02  
 3 -1.40E+02  
 4 -5.99E+01  
 5 +2.00E+01  
 6 +1.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS  
 ambient temp = 74.7 deg. F  
 time = 70 days



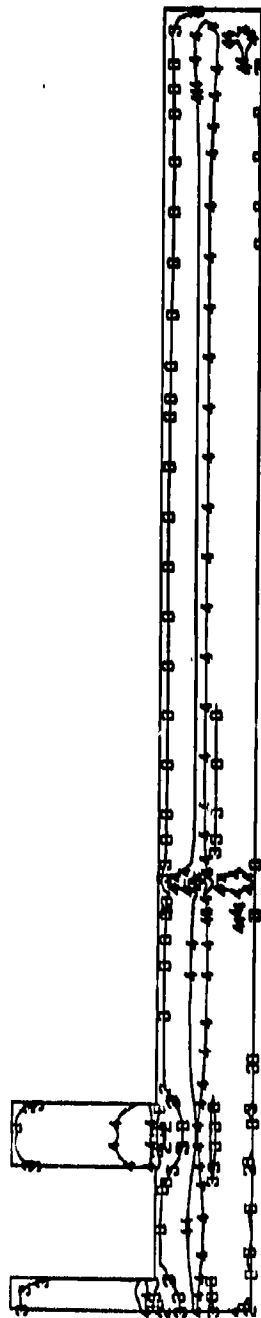
1 3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_8  
 TIME COMPLETED IN THIS STEP +2.000E+01 TOTAL ACCUMULATED TIME +6.990E+01 STEP 26 INCREMENT 20

S33

VALUE

1	-1.00E+02
2	-6.00E+01
3	-1.93E+01
4	+2.00E+01
5	+6.00E+01
6	+1.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS  
 ambient temp = 74.7 deg. F  
 teim = 70 days



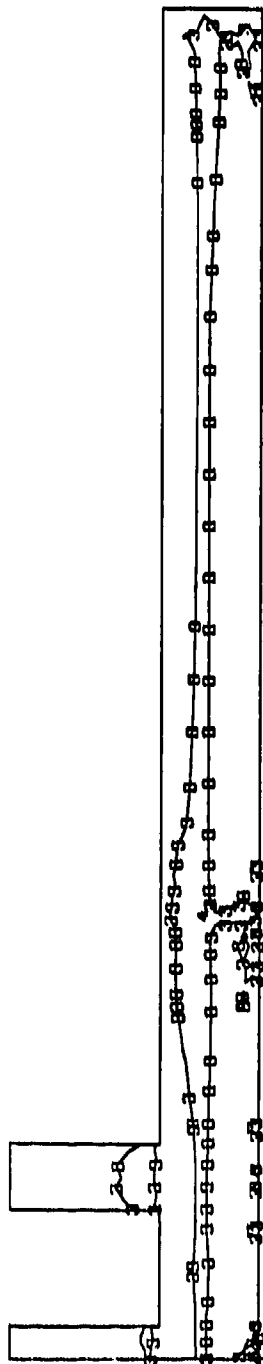
I45

<sup>1</sup>  
 3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_B  
 TIME COMPLETED IN THIS STEP +2.000E+01 TOTAL ACCUMULATED TIME +6.901E+01 # STEP 26 INCREMENT 20

PRINT  
VALUE

1 -1.00E+02  
2 -3.95E+01  
3 +2.00E+01  
4 +8.00E+01  
5 +1.40E+02  
6 +2.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS  
ambient temp = 74.7 deg. F  
time = 70 days



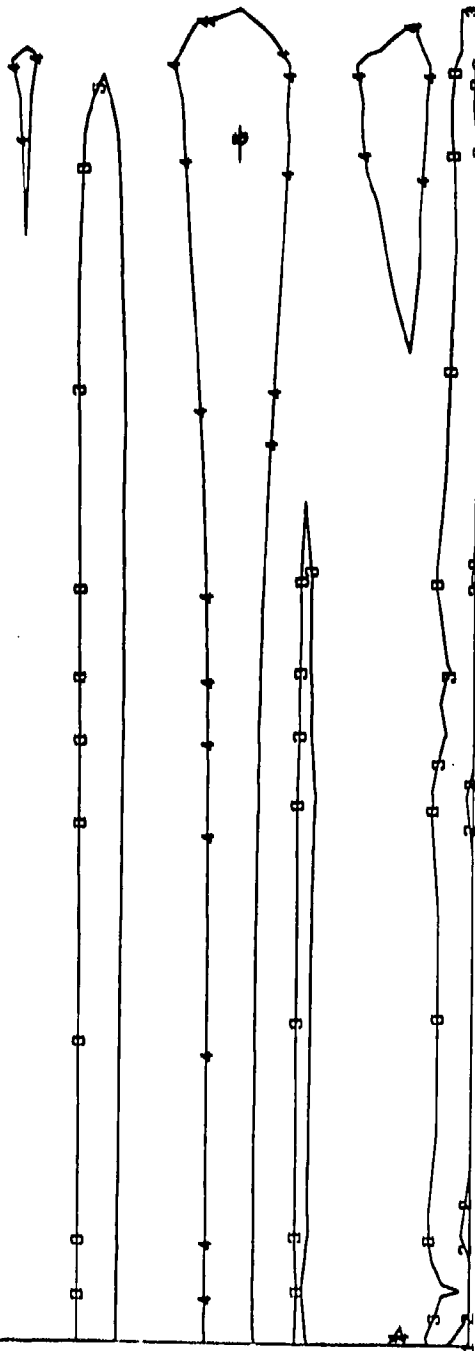
I46

1  
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_8  
TIME COMPLETED IN THIS STEP +2.000E+01 TOTAL ACCUMULATED TIME +6.950E+01 STEP 26 INCREMENT 20

1  
LUE

1 -1.00E+02  
2 -8.00E+01  
3 -1.99E+01  
4 +2.00E+01  
5 +8.00E+01  
6 +1.00E+02

3-D ANALYSIS, CENTER PLANE PARALLEL TO FLOW AXIS  
ambient temp = 74.7 deg. F  
time = 70 days



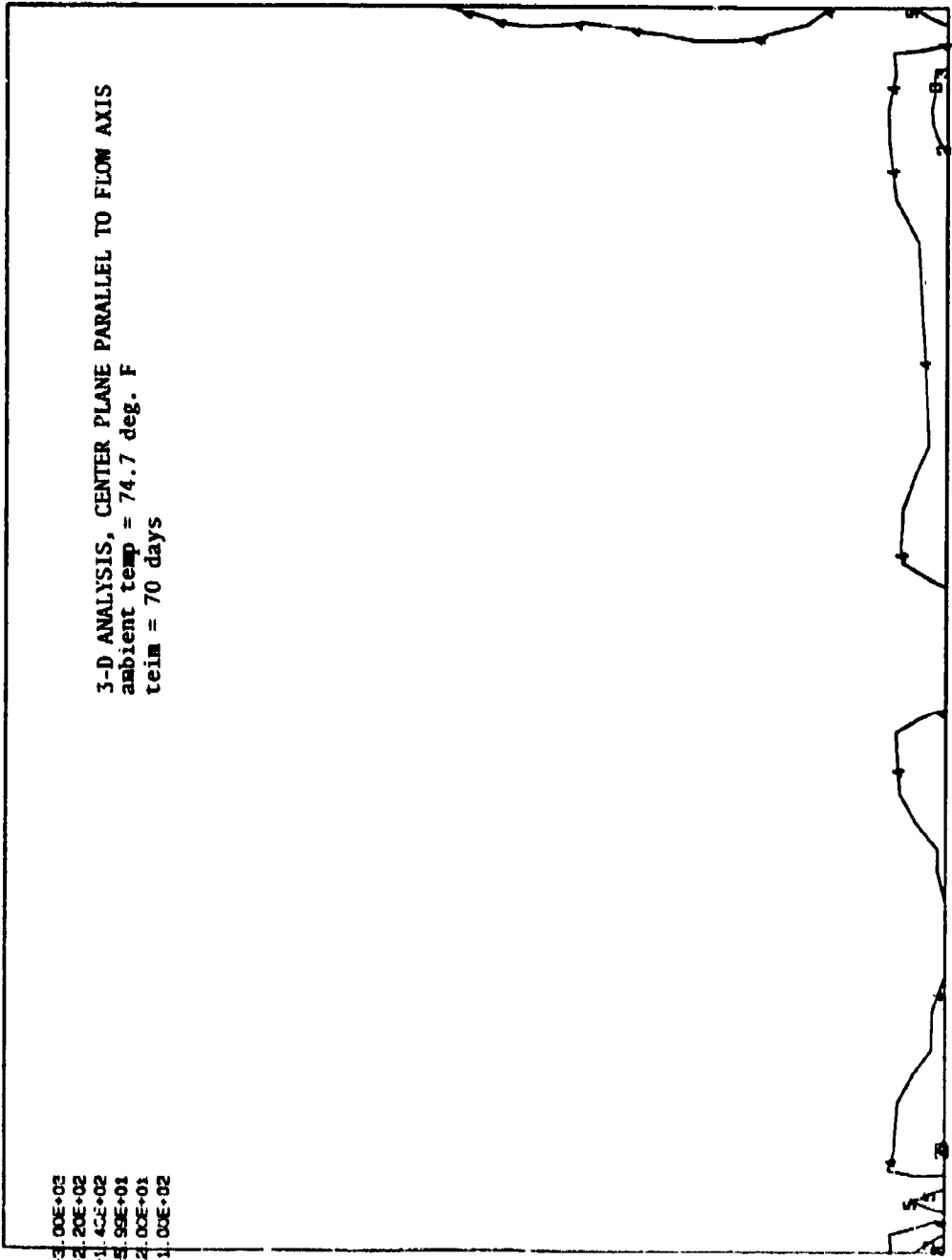
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_8

TIME COMPLETED IN THIS STEP +2.000E+01 TOTAL ACCUMULATED TIME +6.960E+01 STEP 26 INCREMENT 20

S22  
VALUE

- 1 -3.00E+03
- 2 -2.20E+02
- 3 -1.42E+02
- 4 -5.98E+01
- 5 +2.00E+01
- 6 +1.00E+02

3-D ANALYSIS, CENTER PLANE PARALLEL TO FLOW AXIS  
 ambient temp = 74.7 deg. F  
 teim = 70 days



3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_8

TIME COMPLETED IN THIS STEP +2.000E+01 TOTAL ACCUMULATED TIME +6.980E+01 8 STEP 25 INCREMENT 20

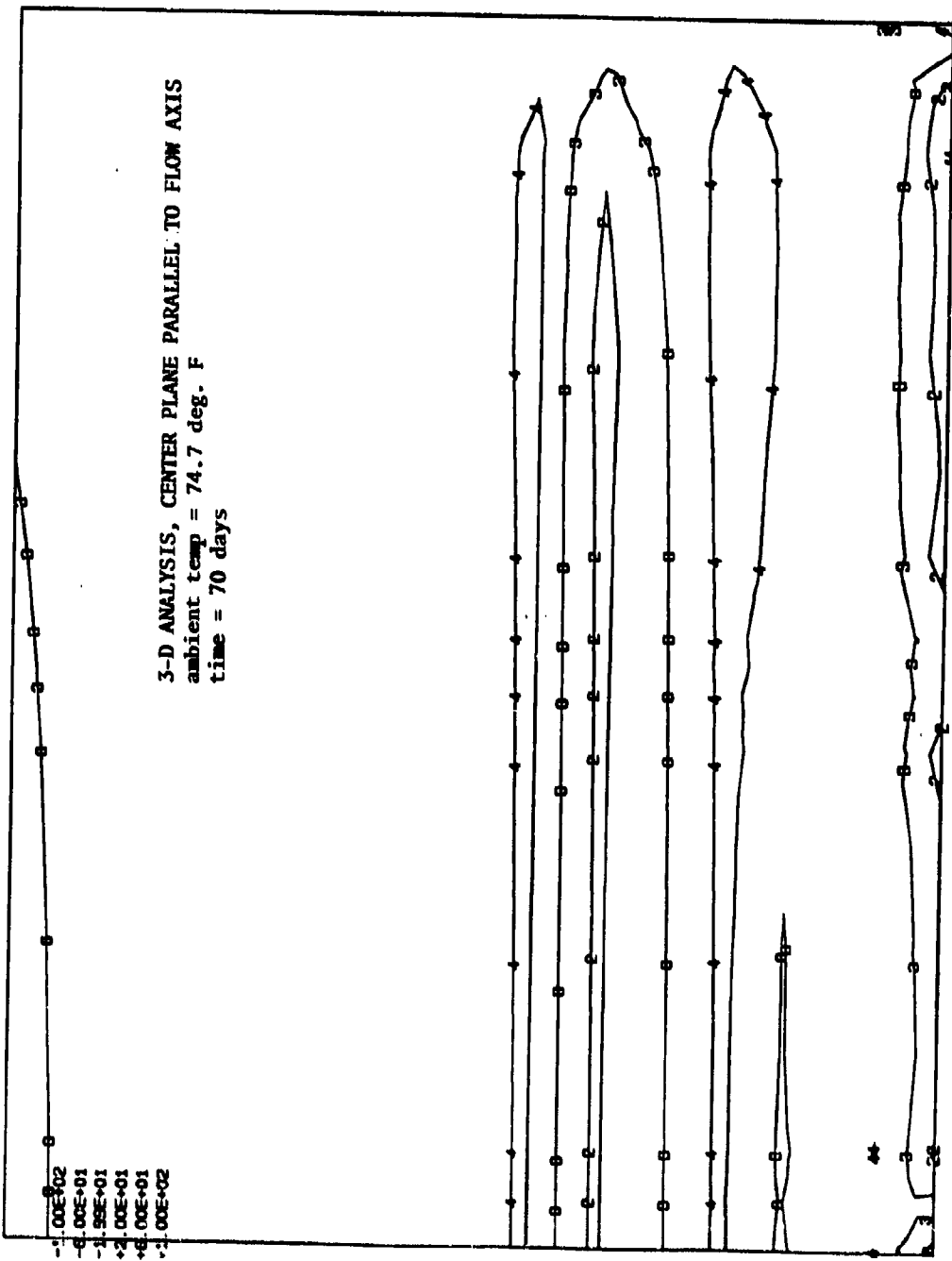
33

ALLIE

- 1
- 2
- 3
- 4
- 5
- 6

-1.00E+02  
 -6.00E+01  
 -1.95E+01  
 +2.00E+01  
 +6.00E+01  
 +1.00E+02

3-D ANALYSIS, CENTER PLANE PARALLEL TO FLOW AXIS  
 ambient temp = 74.7 deg. F  
 time = 70 days



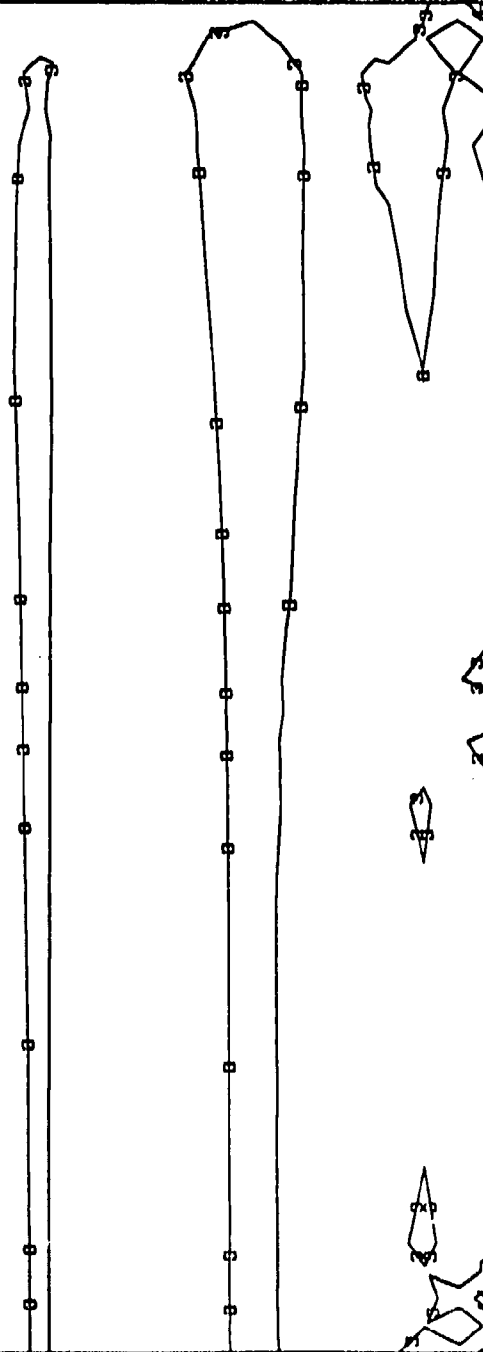
3-D FLOOR PLACEMENT 1. COARSE GRID, JUNE 20 START, L1\_8  
 TIME COMPLETED IN THIS STEP +2.000E+01  
 TOTAL ACCUMULATED TIME +6.950E+01 ■ STEP 25 INCREMENT 20



TING  
VALUE

1 -1.00E+02  
2 -3.55E+01  
3 +2.00E+01  
4 +8.00E+01  
5 +1.40E+02  
6 +2.00E+02

3-D ANALYSIS, CENTER PLANE PARALLEL TO FLOW AXIS  
ambient temp = 74.7 deg. F  
time = 70 days



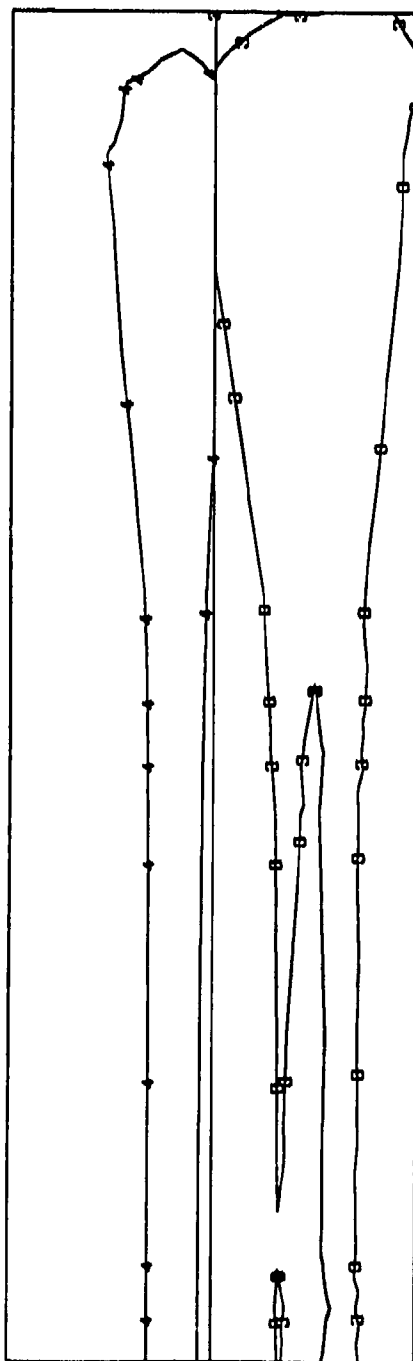
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_8

TIME COMPLETED IN THIS STEP +2.000E+01 TOTAL ACCUMULATED TIME +6.550E+01 STEP 25 INCREMENT 20

1  
LINE

1 -1.00E+02  
2 -6.00E+01  
3 -1.95E+01  
4 +2.00E+01  
5 +6.00E+01  
6 +1.00E+02

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4  
ambient temp = 74.7 deg. F  
time = 70 days

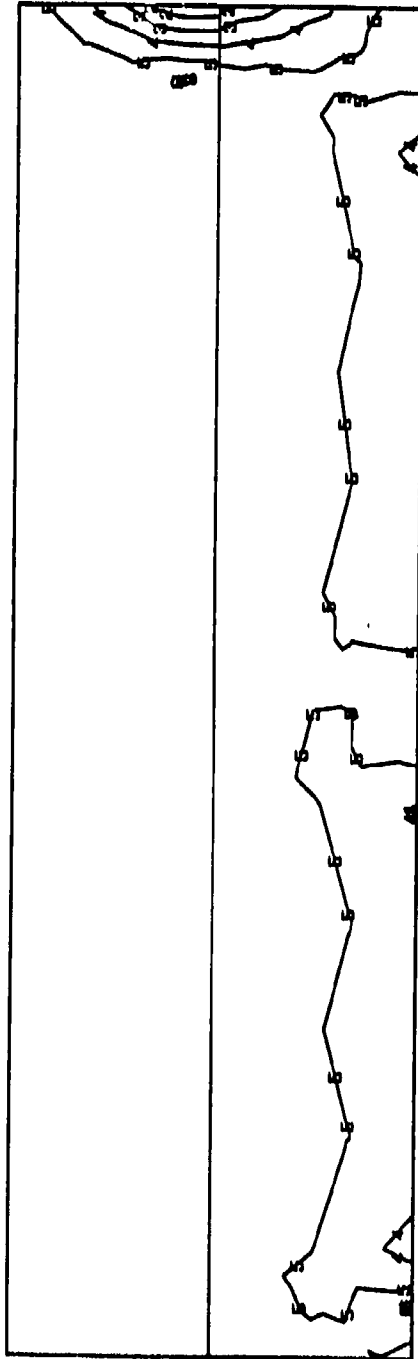


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_8  
TIME COMPLETED IN THIS STEP +2.000E+01 TOTAL ACCUMULATED TIME +6.950E+01 STEP 25 INCREMENT 20

2  
LJE

1 -9.00E+01  
2 -7.00E+01  
3 -5.00E+01  
4 -3.00E+01  
5 -9.99E+00  
6 +1.00E+01

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4  
ambient temp = 74.7 deg.F  
time = 70 days

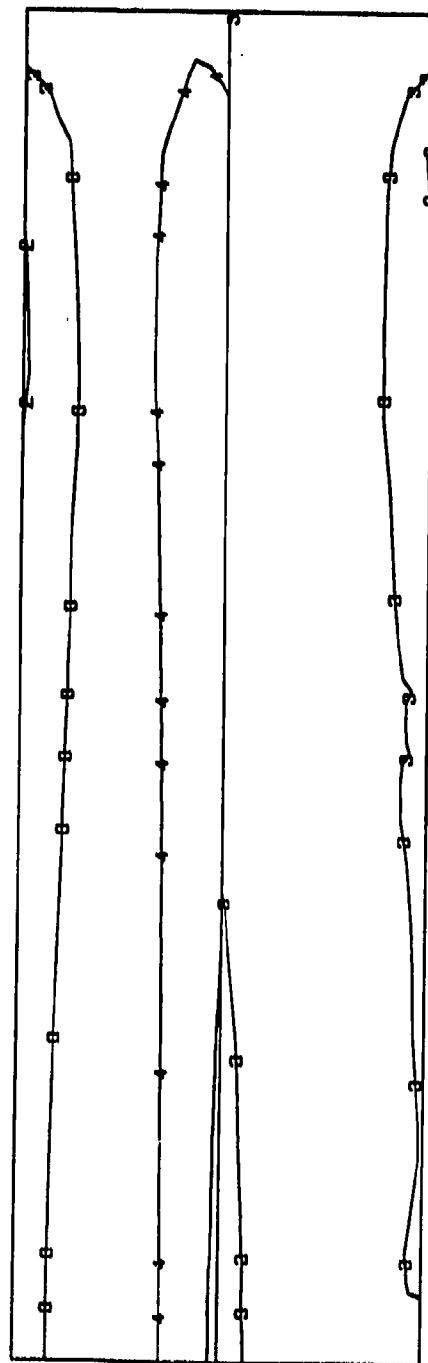


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_8  
TIME COMPLETED IN THIS STEP +2.000E+01 TOTAL ACCUMULATED TIME +6.560E+01 STEP 25 INCREMENT 20

33  
ALUE

1 -1.00E+02  
2 -6.00E+01  
3 -1.99E+01  
4 +2.00E+01  
5 +6.00E+01  
6 +1.00E+02

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4  
ambient temp = 74.7 deg.F  
time = 70 days

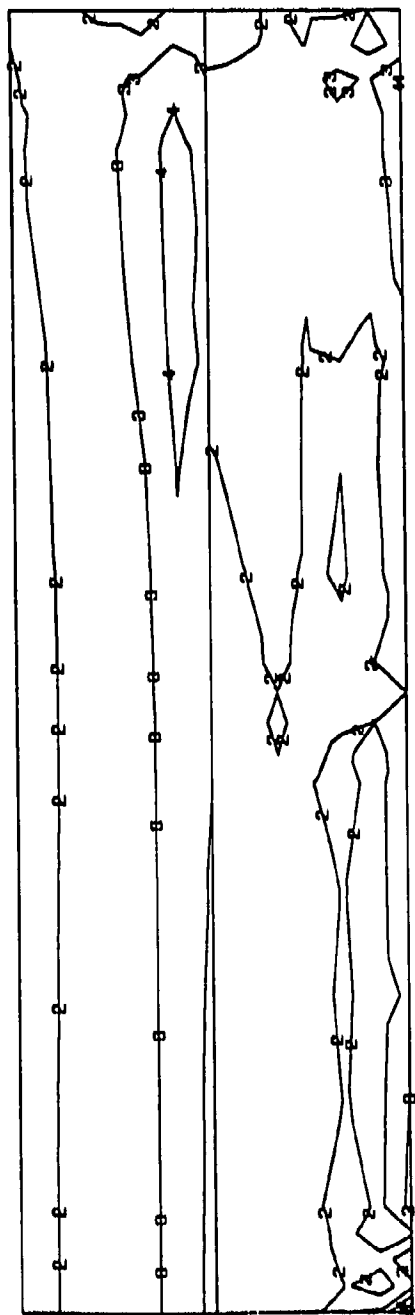


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_8  
TIME COMPLETED IN THIS STEP +2.000E+01    TOTAL ACCUMULATED TIME +6.950E+01    STEP 26 INCREMENT 20

PRINT3  
VALUE

1 -1.93E+01  
2 +2.00E+00  
3 +2.40E+01  
4 +4.60E+01  
5 +6.80E+01  
6 +9.00E+01

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4  
ambient temp = 74.7 deg.F  
time = 70 days

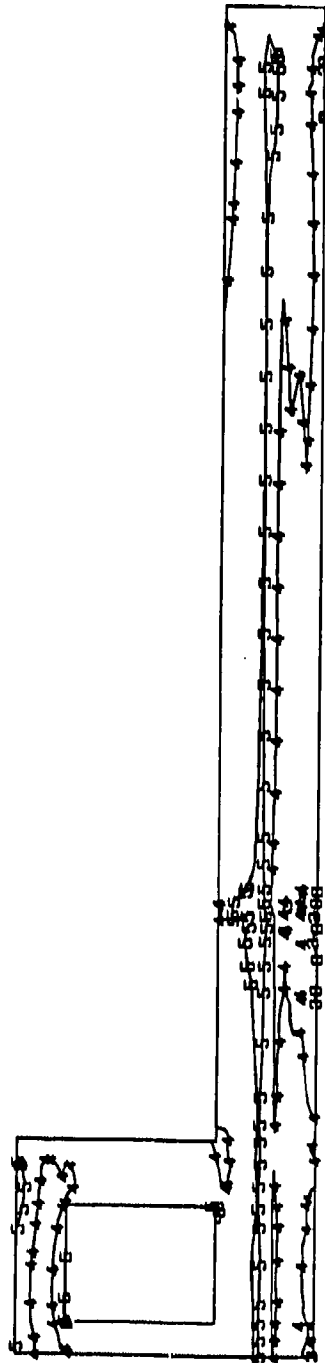


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L1\_B  
TIME COMPLETED IN THIS STEP +2.00E+01 TOTAL ACCUMULATED TIME +5.950E+01 STEP 25 INCREMENT 20

11  
VALUE

1	-2.00E+02
2	-1.40E+02
3	-8.00E+01
4	-1.99E+01
5	+4.00E+01
6	+1.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS  
ambient temp = 71.9 deg. F  
time = 80 days

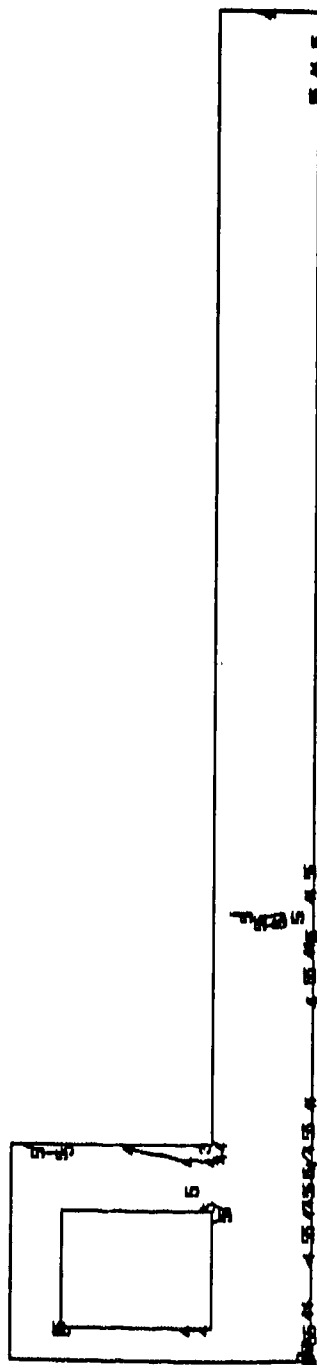


<sup>1</sup>  
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L110  
TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +7.950E+01 STEP 31 INCREMENT 6

22  
VALUE

1 -3.00E+02  
2 -2.20E+02  
3 -1.40E+02  
4 -5.99E+01  
5 +2.00E+01  
6 +1.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS  
ambient temp = 71.9 deg. F  
time = 80 days



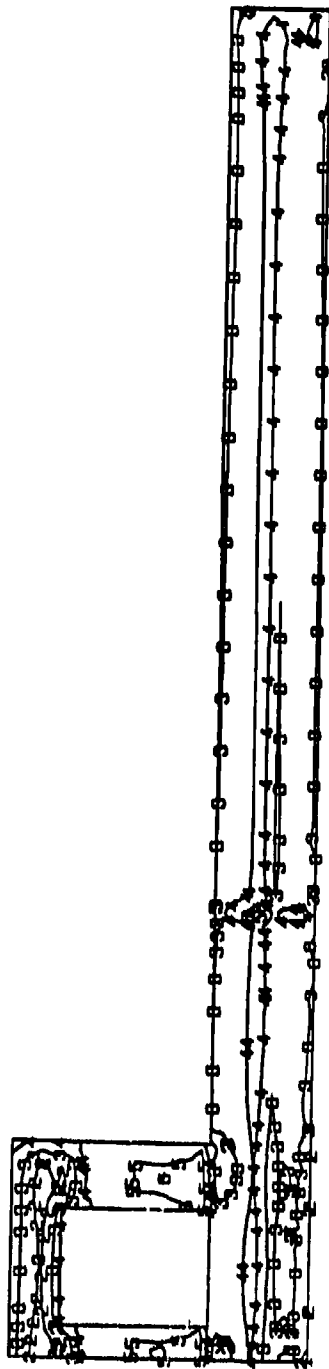
1  
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L110  
TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +7.950E+01 STEP 31 INCREMENT 5

33

VALUE

1	-1.00E+02
2	-6.00E+01
3	-1.99E+01
4	+2.00E+01
5	+6.00E+01
6	+1.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS  
 ambient temp = 71.9 deg. F  
 time = 80 days



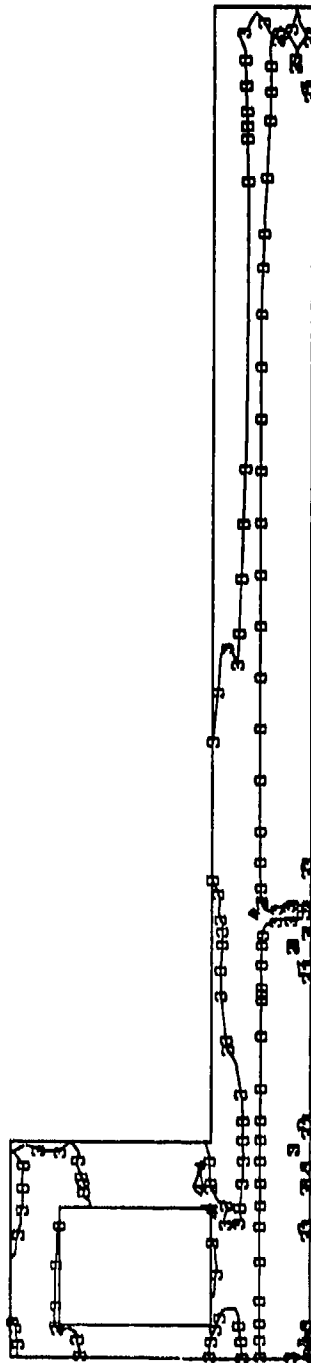
<sup>1</sup>  
 3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L110  
 TIME COMPLETED IN THIS STEP +5.000E+00    TOTAL ACCUMULATED TIME +7.560E+01 ■ STEP 31 INCREMENT 6



PRIN3  
VALUE

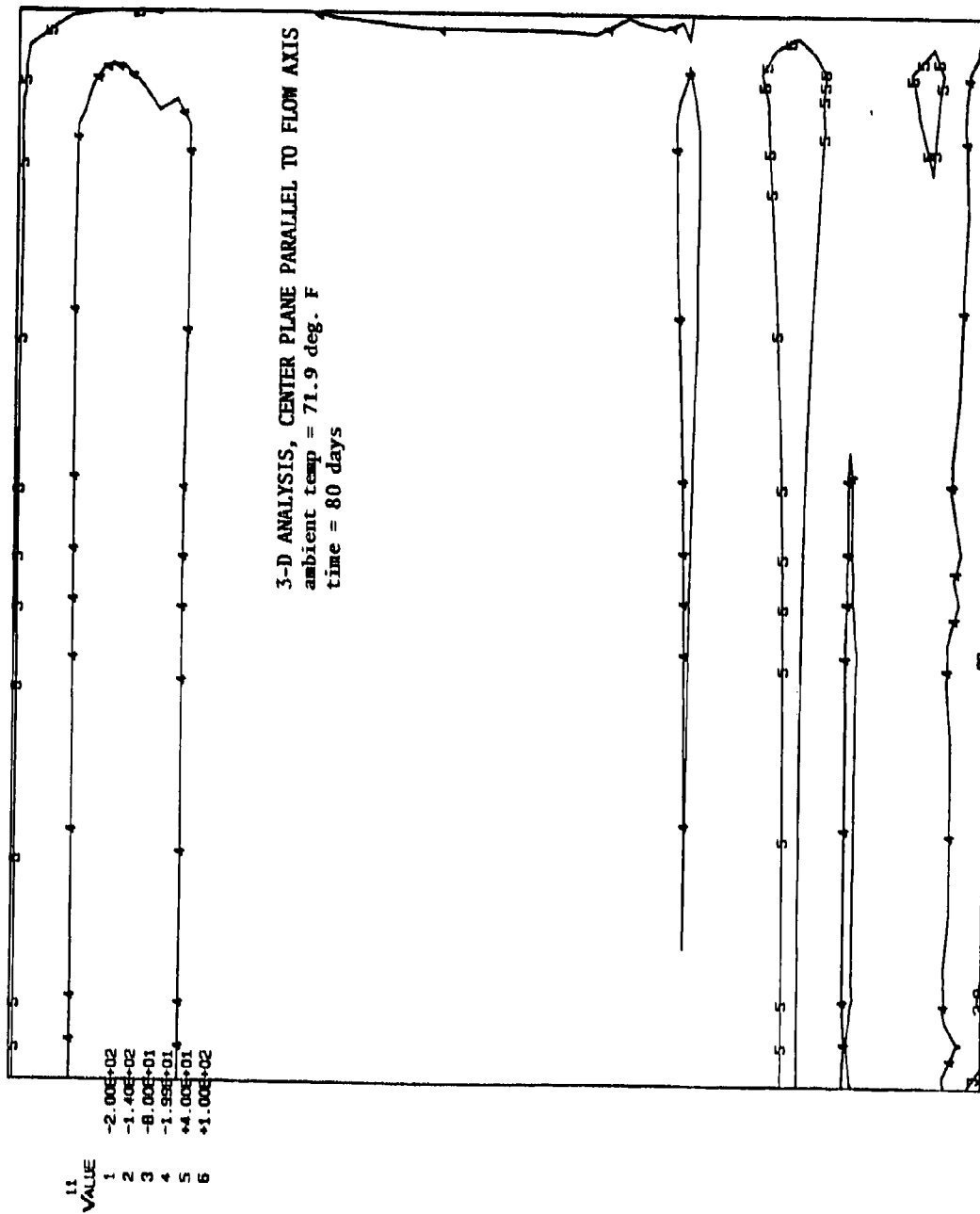
1	-1.00E+02
2	-3.95E+01
3	+2.00E+01
4	+8.00E+01
5	+1.40E+02
6	+2.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS  
ambient temp = 71.9 deg. F  
time = 80 days



1  
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L110

TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +7.550E+01 STEP 31 INCREMENT 5

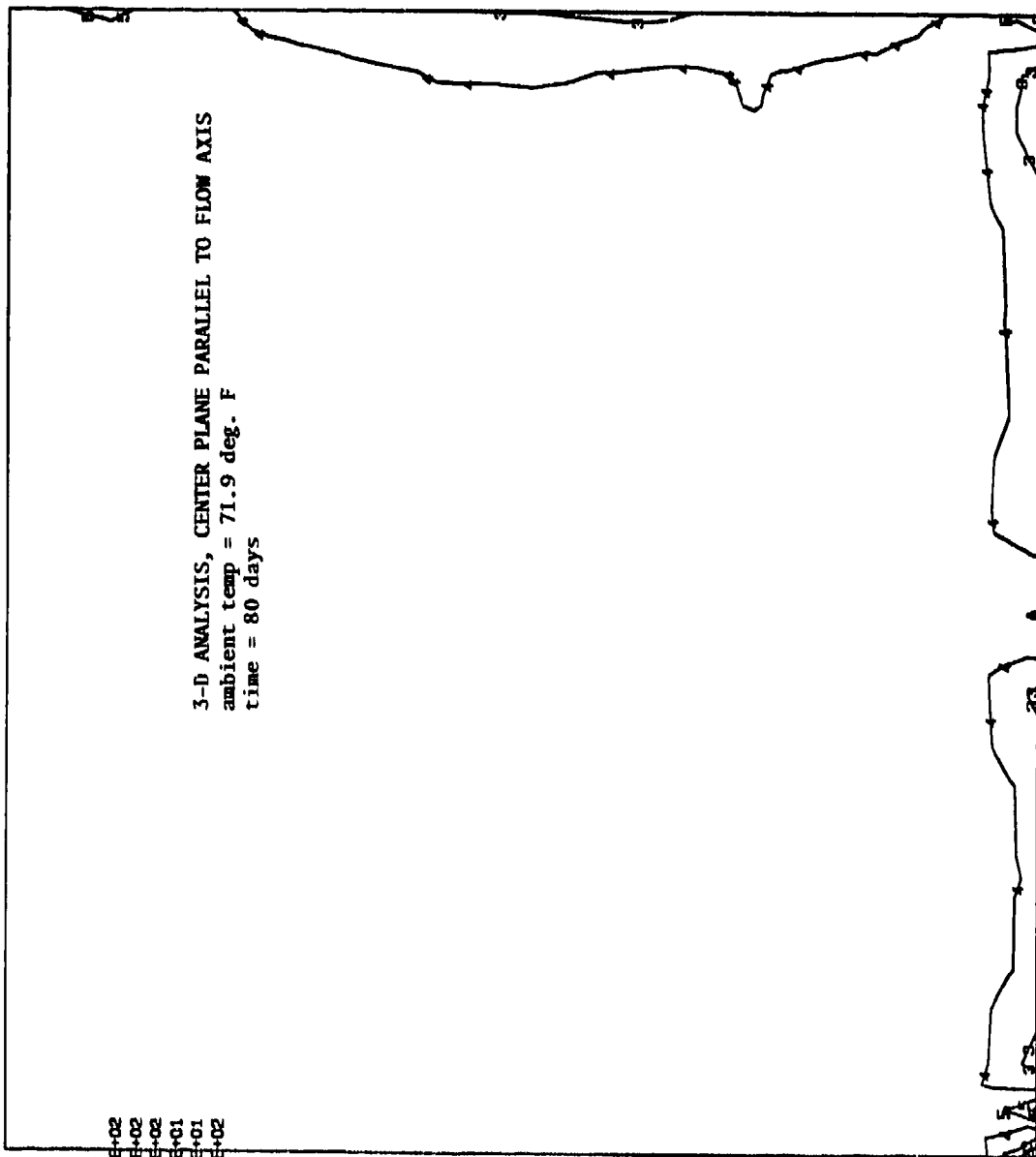


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L110

TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +7.950E+01 STEP 31 INCREMENT 5

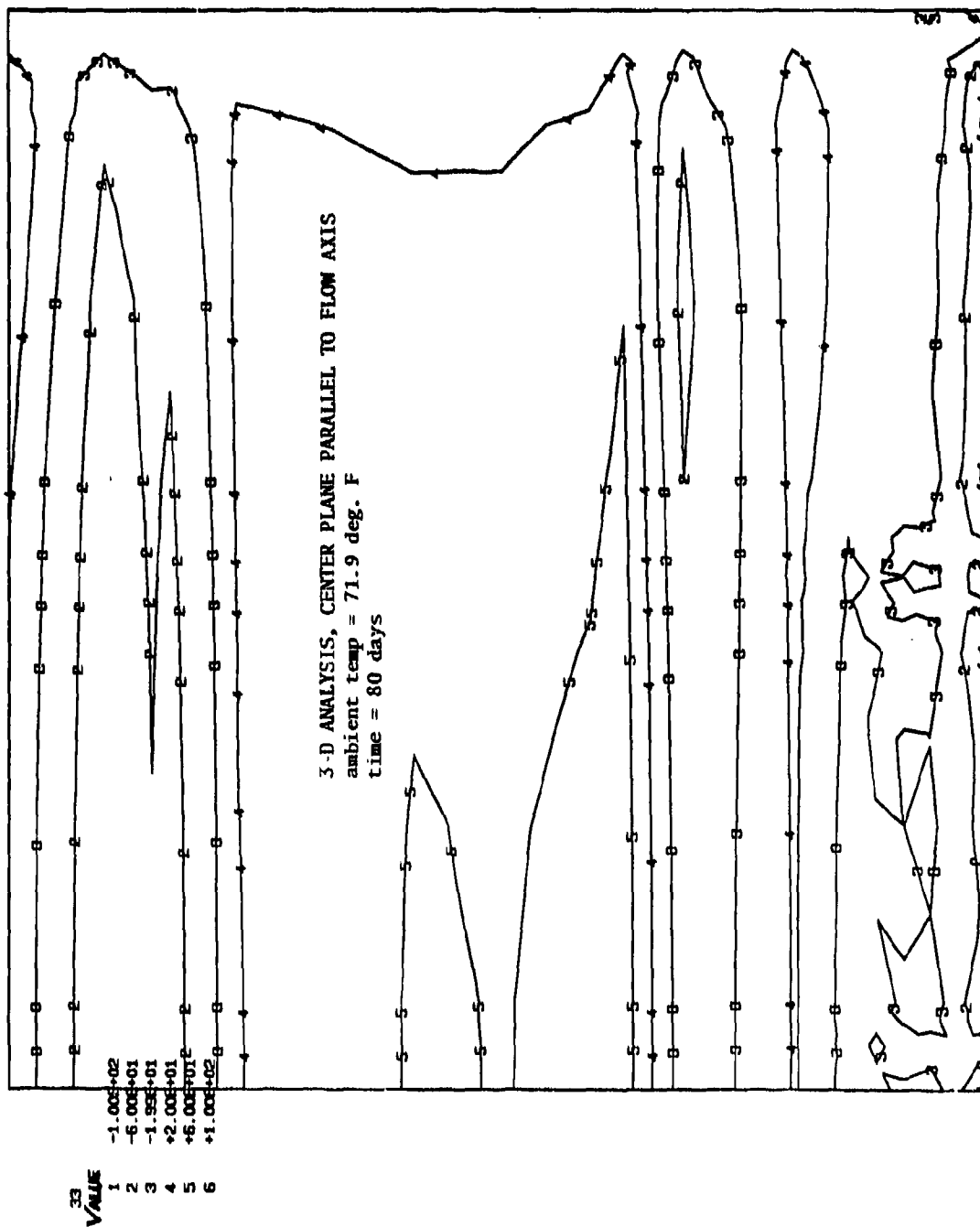
22  
VALUE  
1 -3.00E+02  
2 -2.20E+02  
3 -1.40E+02  
4 -5.95E+01  
5 +2.00E+01  
6 +1.00E+02

3-D ANALYSIS, CENTER PLANE PARALLEL TO FLOW AXIS  
ambient temp = 71.9 deg. F  
time = 80 days



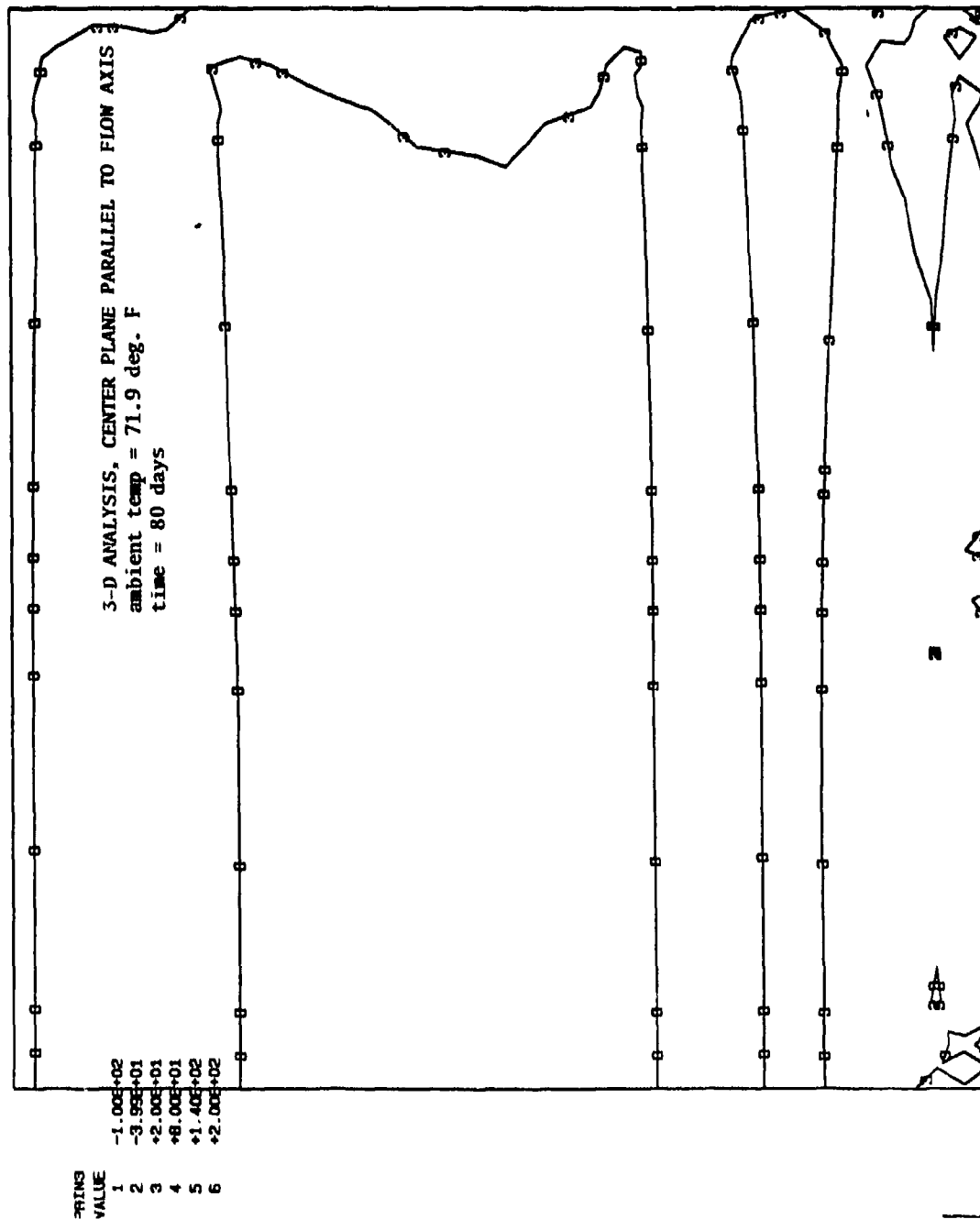
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L110

TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +7.900E+01 STEP 31 INCREMENT 5



3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L110

TIME COMPLETED IN THIS STEP +5.600E+03 TOTAL ACCUMULATED TIME +7.950E+01 ■ STEP 31 INCREMENT 5

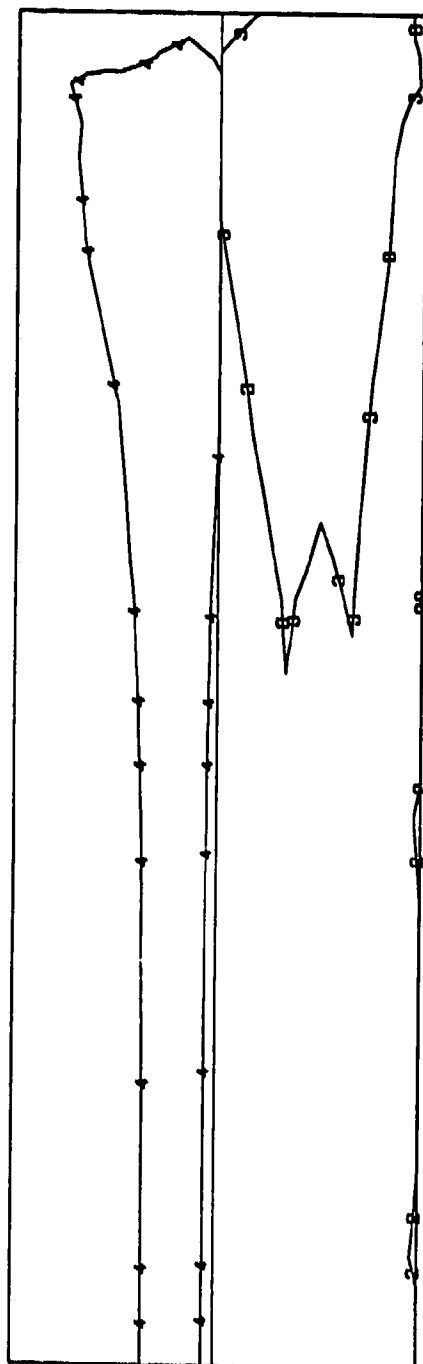


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L110  
 TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +7.550E+01 STEP 31 INCREMENT 6

S11  
VALUE

1	-1.00E+02
2	-5.00E+01
3	-1.99E+01
4	+2.00E+01
5	+6.00E+01
6	+1.00E+02

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4  
ambient temp = 71.9 deg. F  
time = 80 days

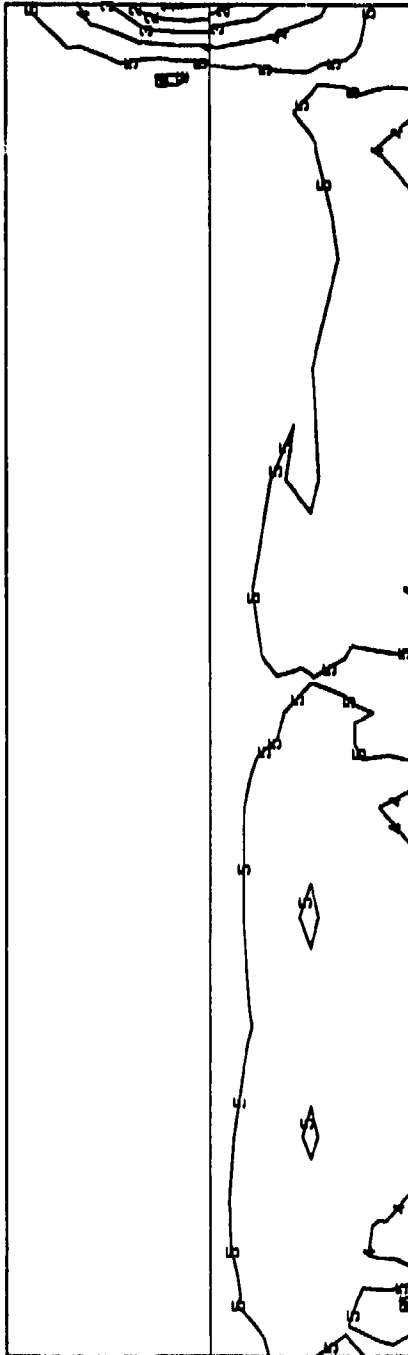


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L110  
TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +7.950E+01 STEP 31 INCREMENT 5

122  
VALUE

1	-8.02E+01
2	-6.20E+01
3	-4.40E+01
4	-2.60E+01
5	-7.99E+00
6	+1.00E+01

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4  
ambient temp = 71.9 deg. F  
time = 80 days



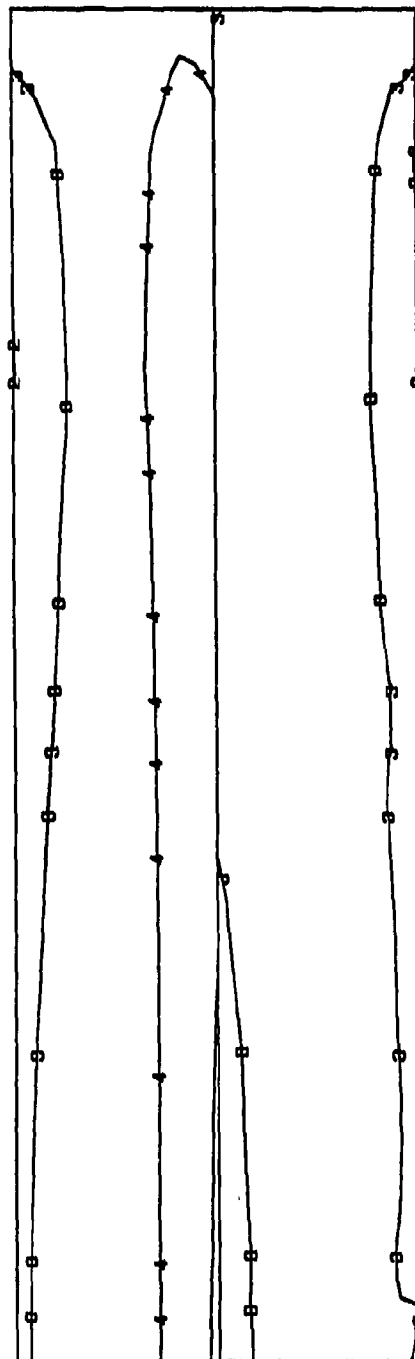
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L110

TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +7.990E+01 ■ STEP 31 INCREMENT 5

S33  
VALUE

1	-1.00E+02
2	-6.00E+01
3	-1.99E+01
4	+2.00E+01
5	+6.00E+01
6	+1.00E+02

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4  
ambient temp = 71.9 deg. F  
time = 80 days



3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L110

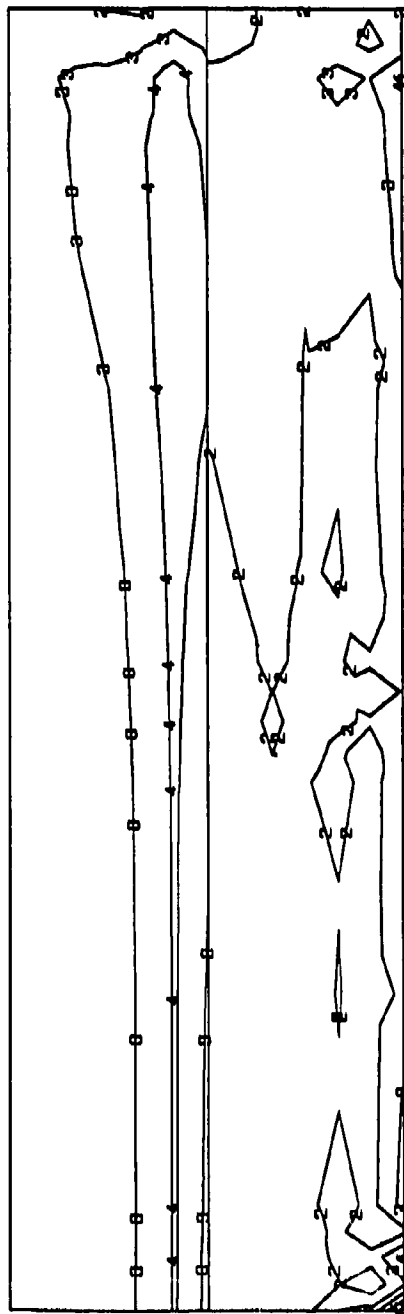
TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +7.900E+01 STEP 31 INCREMENT 5



TRIM3  
VALUE

1	-1.99E+01
2	+2.00E-06
3	+2.00E+01
4	+4.00E+01
5	+6.00E+01
6	+8.00E+01

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4  
ambient temp = 71.9 deg. F  
time = 80 days

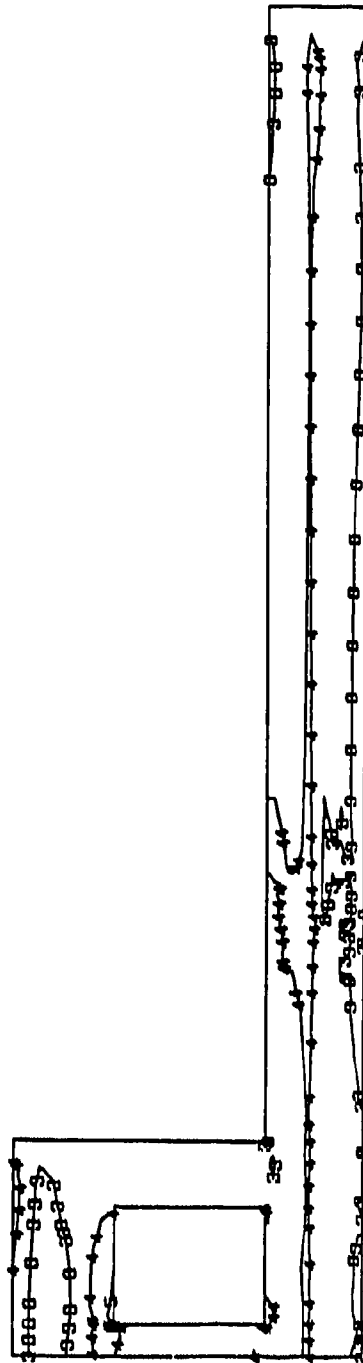


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L110  
TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +7.960E+01 STEP 31 INCREMENT 5

S11  
VALUE

1	-2.00E+02
2	-1.20E+02
3	-3.99E+01
4	+4.00E+01
5	+1.20E+02
6	+2.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS  
ambient temp = 69.3 deg. F  
time = 90 days



I67

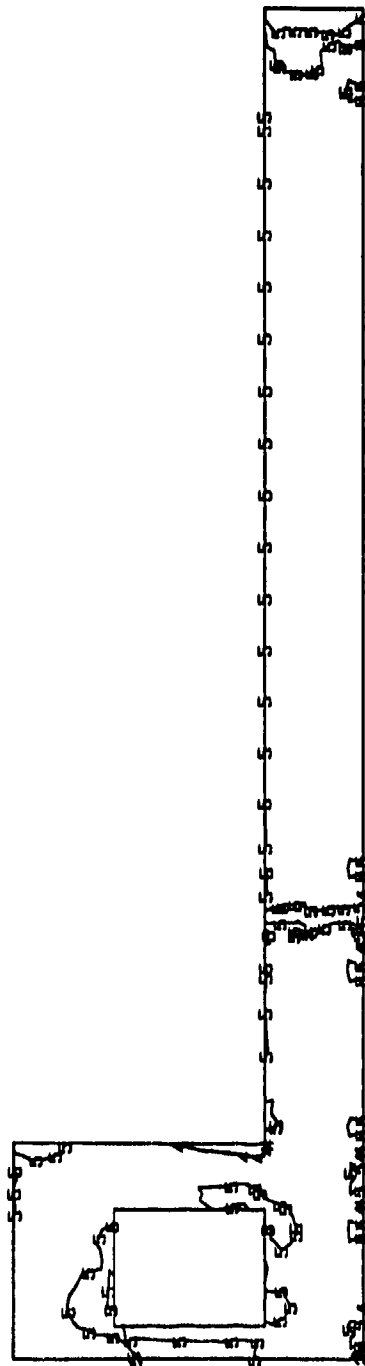
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L112

TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +8.960E+01 STEP 36 INCREMENT 6

22

VALUE	
1	-4.00E+02
2	-3.00E+02
3	-2.00E+02
4	-9.99E+01
5	+1.00E-04
6	+1.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS  
 ambient temp = 69.3 deg. F  
 time = 90 days

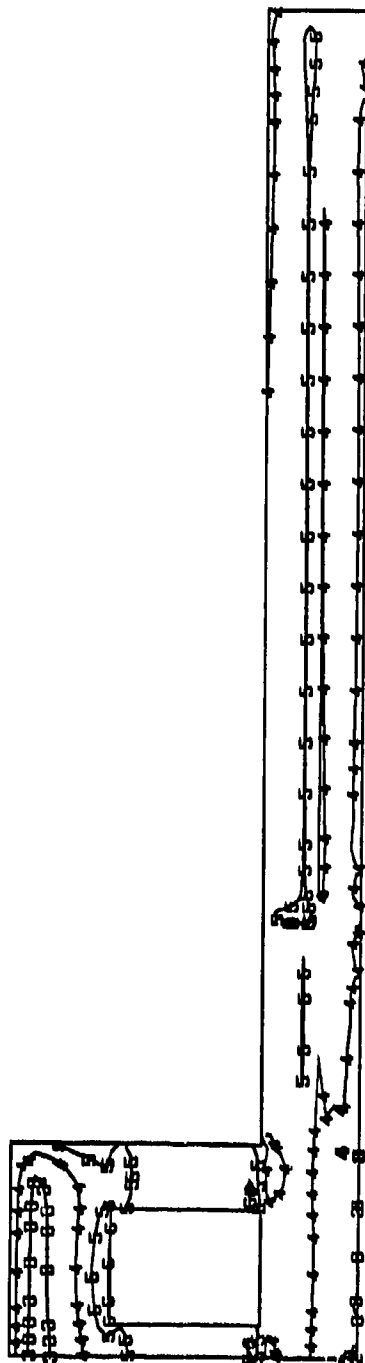


<sup>1</sup>  
 3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L112  
 TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +8.550E+01 ■ STEP 36 INCREMENT 6

533  
VALUE

- 1 -2.00E+02
- 2 -1.40E+02
- 3 -8.00E+01
- 4 -1.99E+01
- 5 +4.00E+01
- 6 +1.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS  
ambient temp = 69.3 deg. F  
time = 90 days



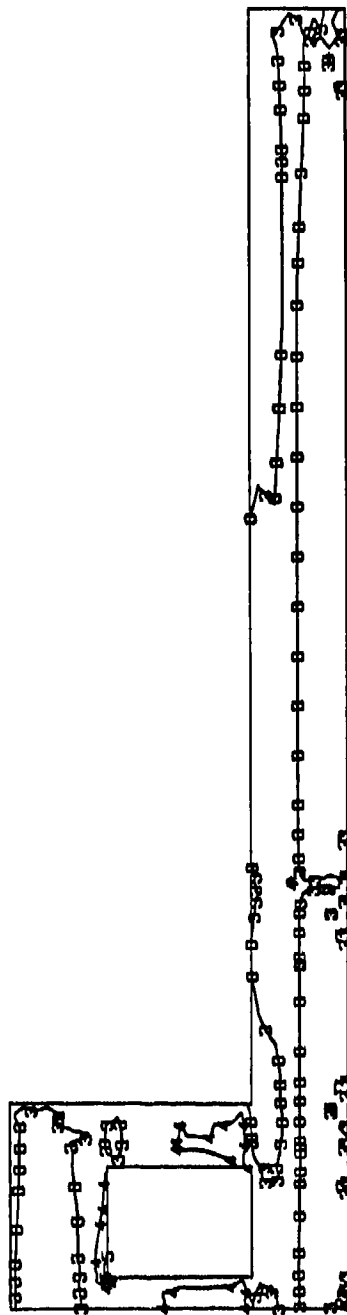
1

3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L112

PRDNG  
VALUE

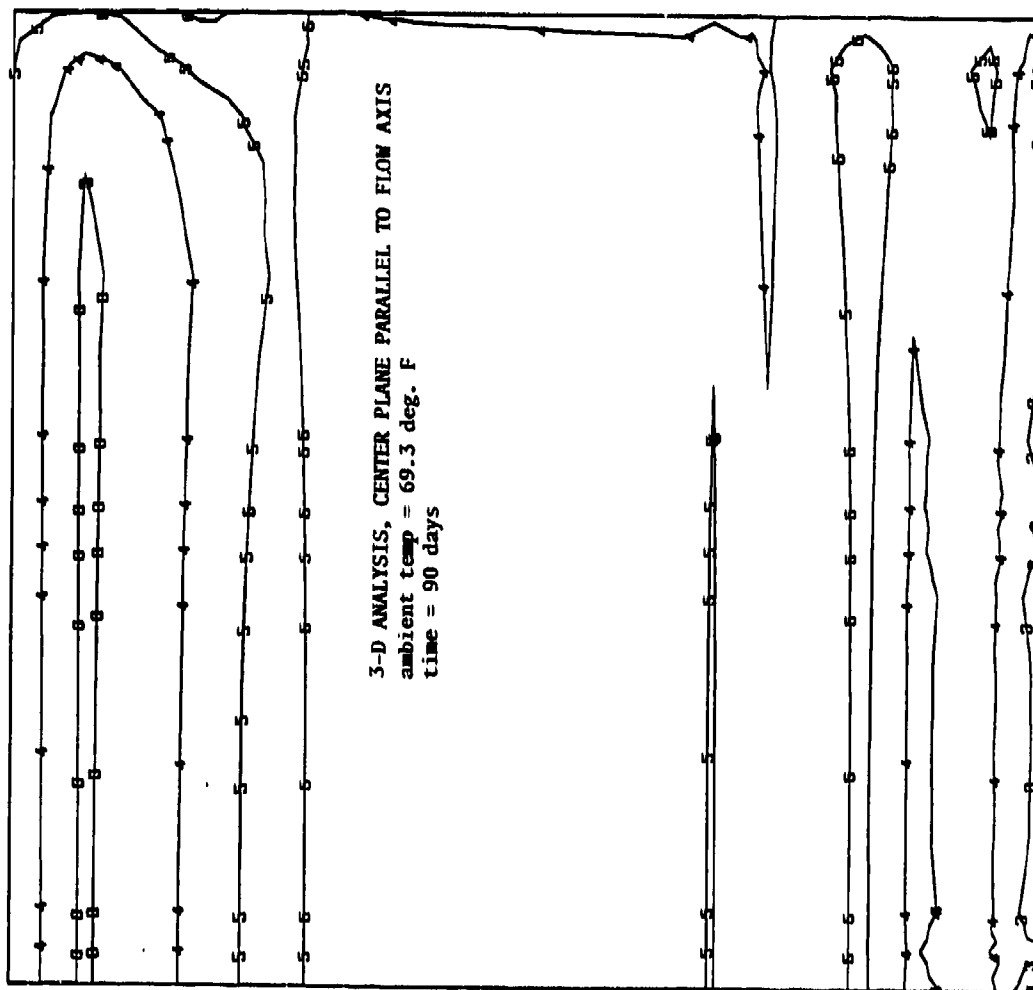
1	-1.00E+02
2	-3.99E+01
3	+2.00E+01
4	+8.00E+01
5	+1.40E+02
F	+2.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS  
ambient temp = 69.3 deg. F  
time = 90 days



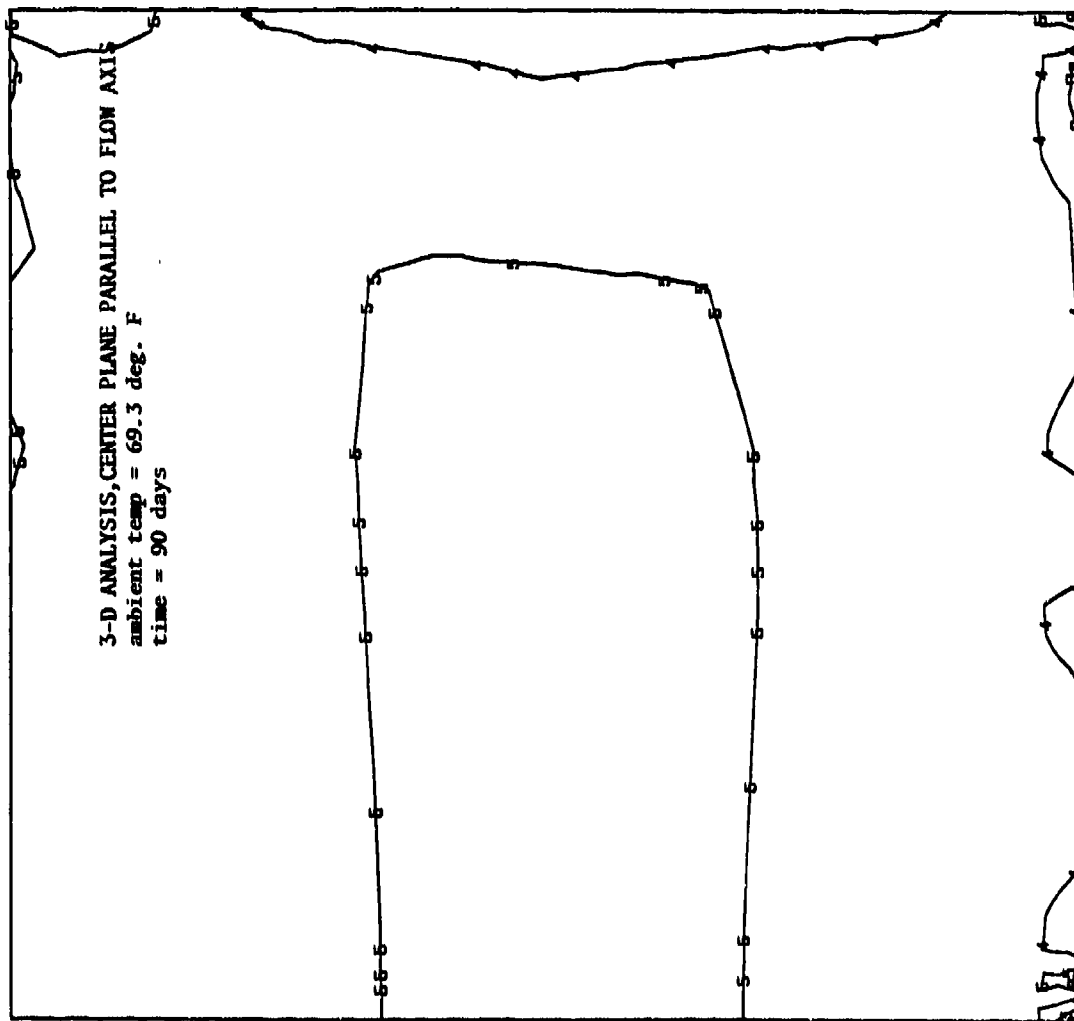
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L112

S11  
VALUE  
1 -2.00E+02  
2 -1.40E+02  
3 -8.00E+01  
4 -1.95E+01  
5 +4.00E+01  
6 +1.00E+02



3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L112  
TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +8.950E+01 STEP 35 INCREMENT 5

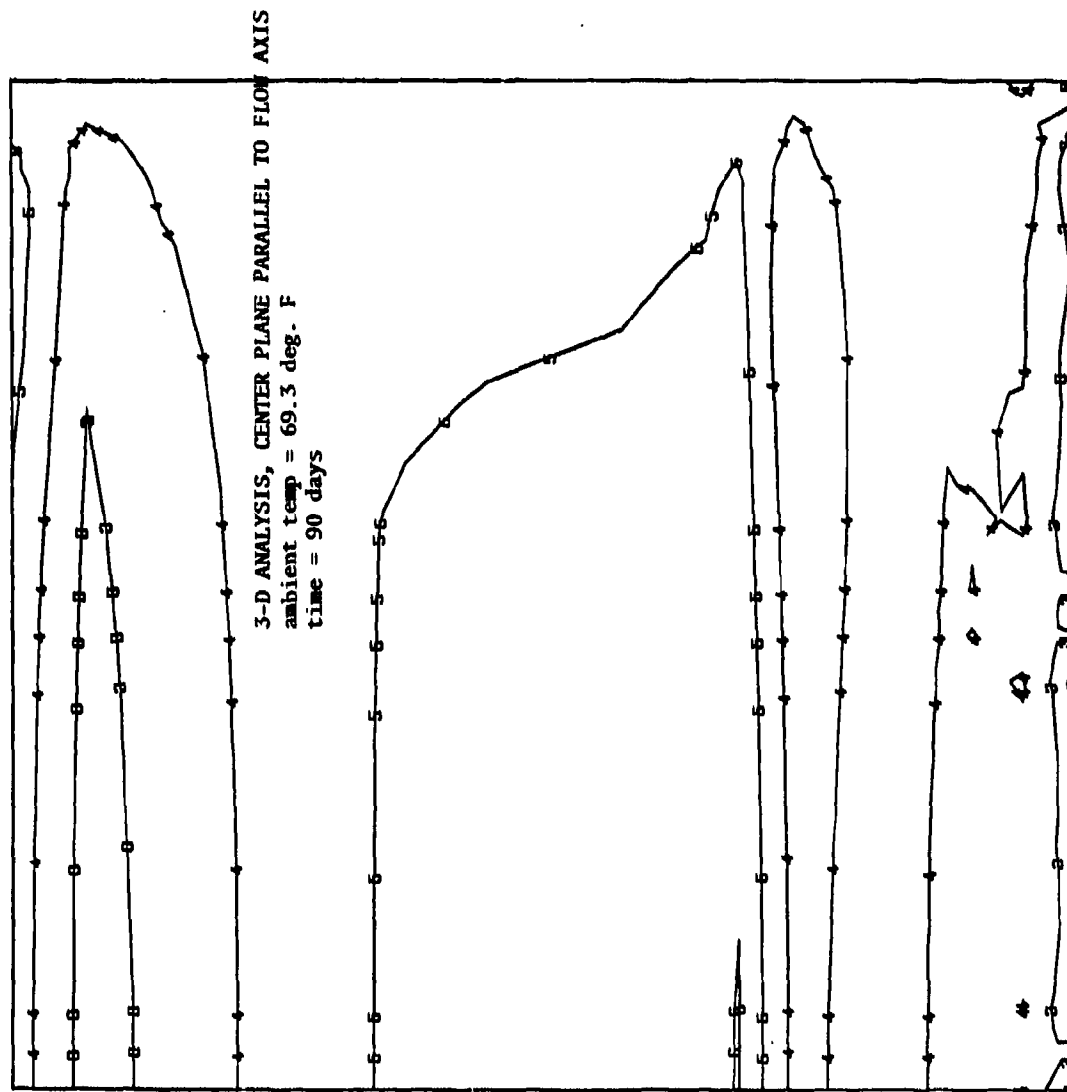
S22  
 VALUE  
 1 -4.00E+02  
 2 -3.00E+02  
 3 -2.00E+02  
 4 -9.99E+01  
 5 +1.00E-04  
 6 +1.00E+02



3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L112  
 TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +8.550E+01 STEP 36 INCREMENT 5

533  
VALUE

1 -2.00E+02  
2 -1.40E+02  
3 -8.00E+01  
4 -1.90E+01  
5 +4.00E+01  
6 +1.00E+02



3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L112

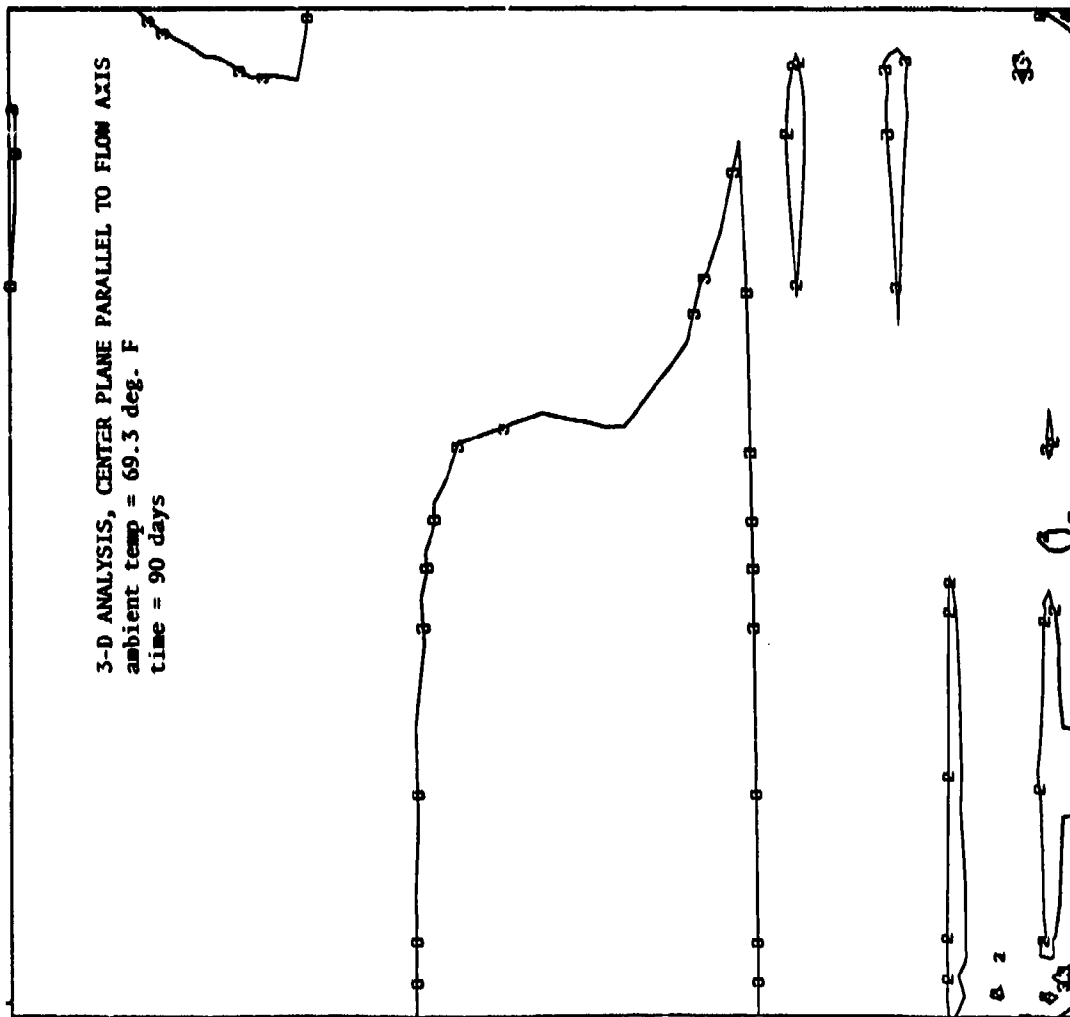
TIME COMPLETED IN THIS STEP +6.000E+00 TOTAL ACCUMULATED TIME +8.900E+01 # STEP 36 INCREMENT 5



PRIMS  
VALUE

1	-1.00E+02
2	-1.53E+01
3	+2.00E+01
4	+1.40E+02
5	+2.20E+02
6	+3.00E+02

3-D ANALYSIS, CENTER PLANE PARALLEL TO FLOW AXIS  
ambient temp = 69.3 deg. F  
time = 90 days

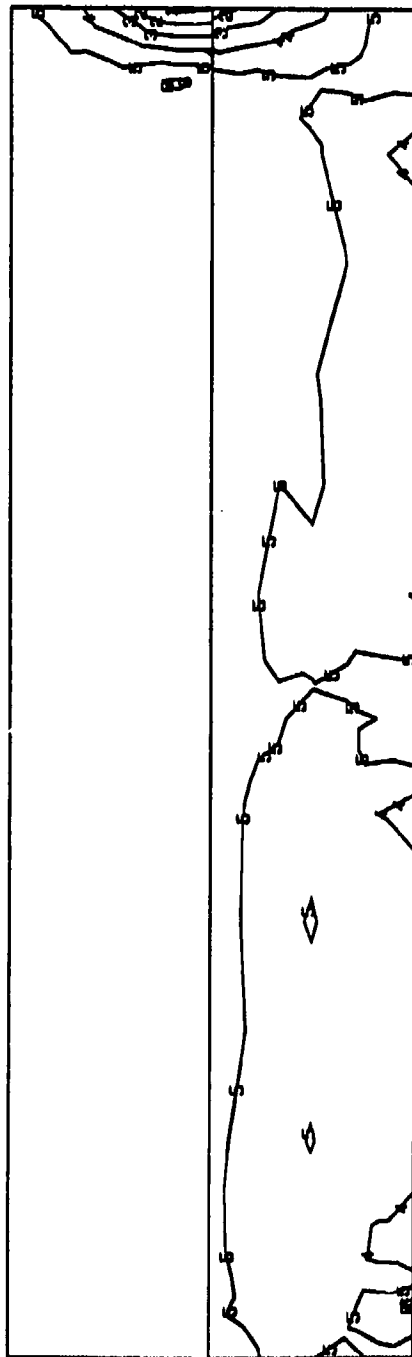


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L112  
TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +8.960E+01 # STEP 36 INCREMENT 5

S22  
VALUE

1	-8.00E+01
2	-6.20E+01
3	-4.40E+01
4	-2.60E+01
5	-7.99E+00
6	+1.00E+01

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4  
ambient temp = 69.3 deg. F  
time = 90 days

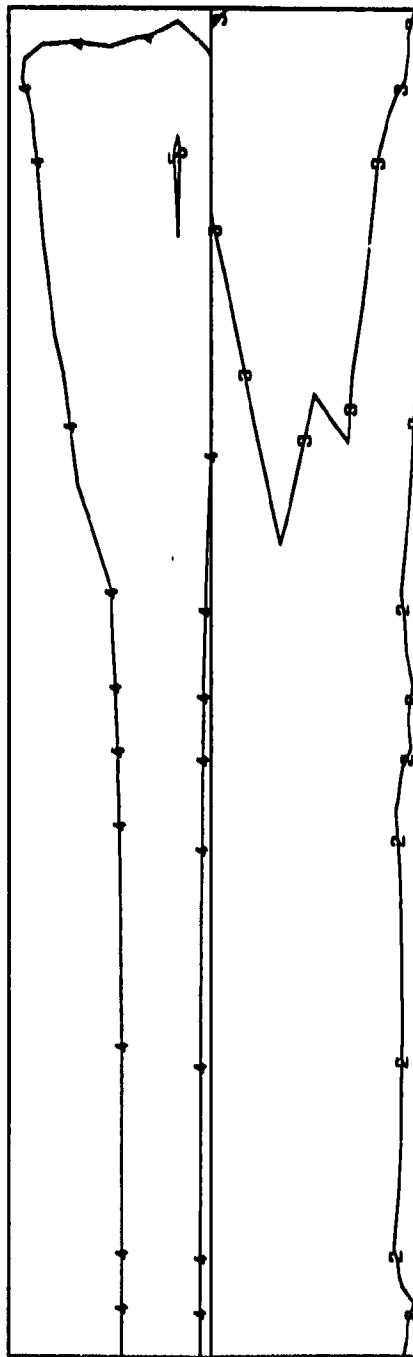


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L112  
TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +8.990E+01 STEP 35 INCREMENT 5

511  
VALUE

1	-1.00E+02
2	-6.00E+01
3	-1.99E+01
4	+2.00E+01
5	+6.00E+01
6	+1.00E+02

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4  
ambient temp = 69.3 deg. F  
time = 90 days

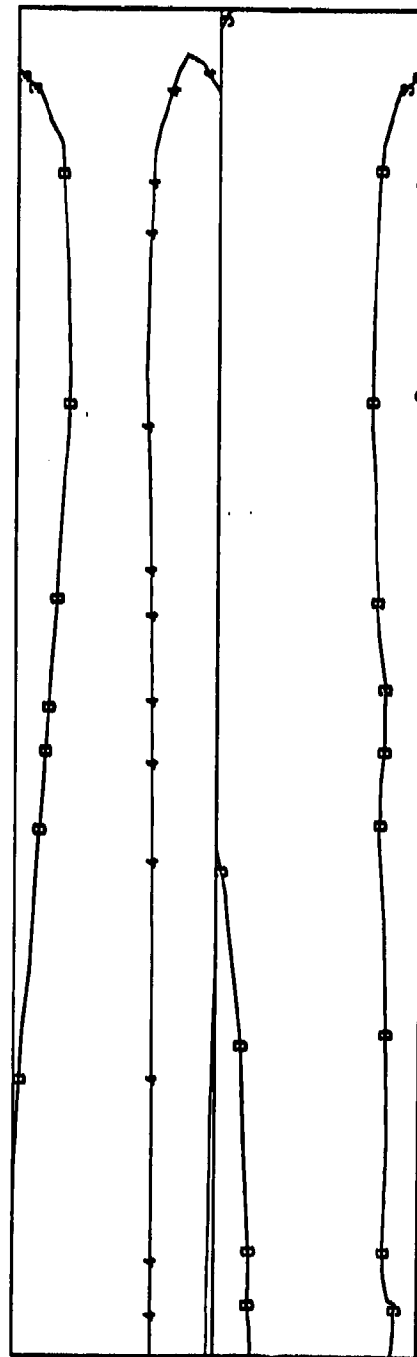


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L112  
TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +8.950E+01 STEP 35 INCREMENT 5

533  
VALUE

1	-1.00E+02
2	-6.00E+01
3	-1.95E+01
4	+2.00E+01
5	+6.00E+01
6	+1.00E+02

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4  
ambient temp = 69.3 deg. F.  
time = 90 days

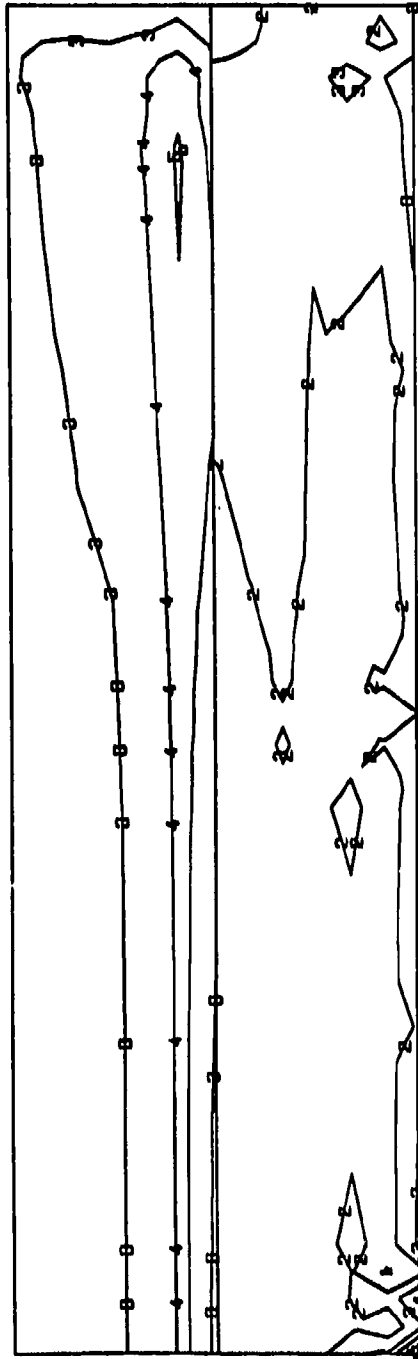


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L112  
TIME COMPLETED IN THIS STEP +5.000E+00    TOTAL ACCUMULATED TIME +8.950E+01    STEP 35 INCREMENT 5

PRINT  
VALUE

1 -1.99E+01  
2 +2.00E-06  
3 +2.00E+01  
4 +4.00E+01  
5 +6.00E+01  
6 +8.00E+01

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4  
ambient temp = 69.3 deg. F  
time = 90 days



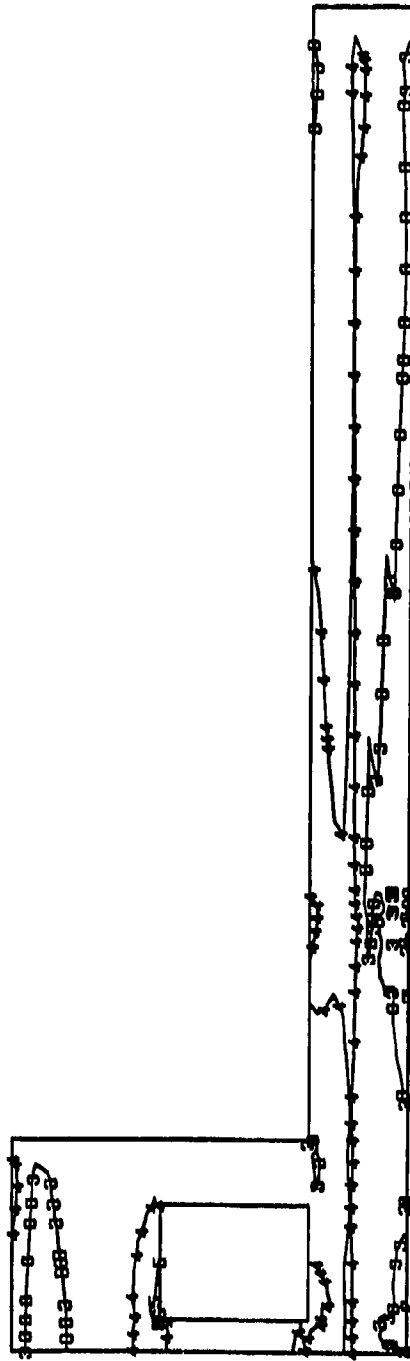
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L112

TIME COMPLETED IN THIS STEP +5.000E+00 TOTAL ACCUMULATED TIME +8.960E+01 STEP 35 INCREMENT 5

SL1  
VALUE

1 -2.00E+02  
2 -1.20E+02  
3 -3.99E+01  
4 +4.00E+01  
5 +1.20E+02  
6 +2.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS  
ambient temp = 67 deg. F  
time = 95 days



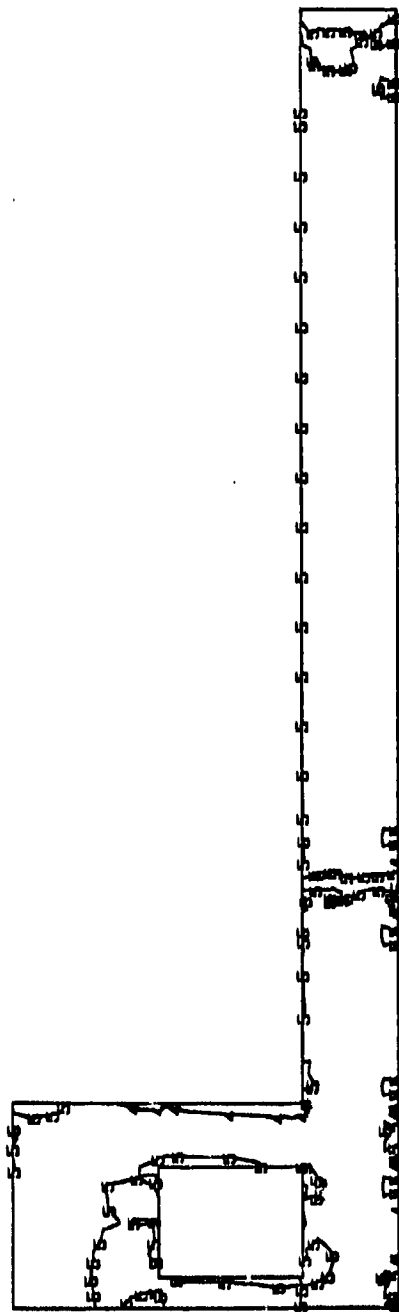
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L114

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.450E+01 STEP 40 INCREMENT 5

S22  
VALUE

1	-4.00E+02
2	-3.00E+02
3	-2.00E+02
4	-9.99E+01
5	+1.00E-04
6	+1.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS  
ambient temp = 67 deg. F.  
time = 95 days



180

3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L114

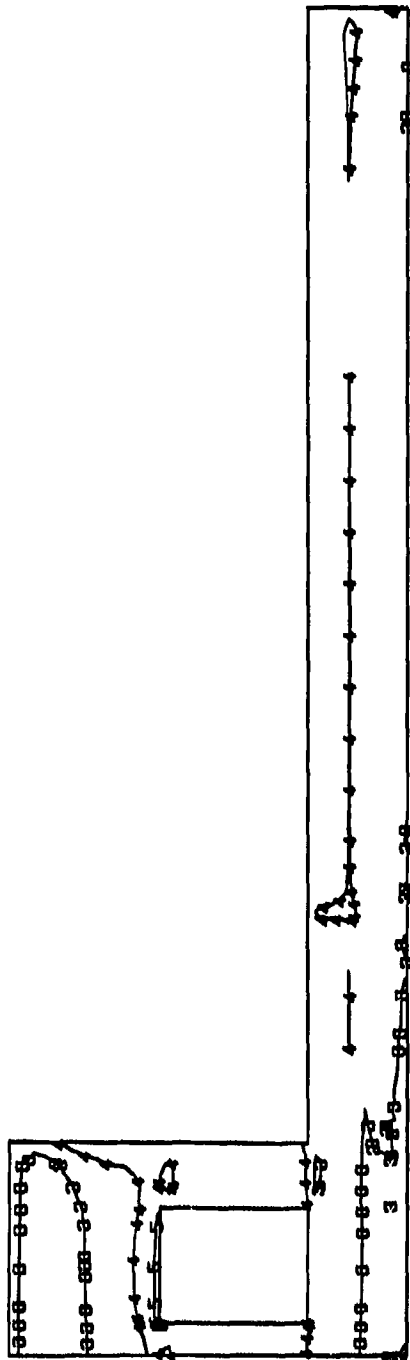
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.460E+01 STEP 40 INCREMENT 5

SS3

VALUE

- 1 -2.00E+02
- 2 -1.20E+02
- 3 -3.99E+01
- 4 +4.00E+01
- 5 +1.20E+02
- 6 +2.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS  
 ambient temp = 67 deg. F  
 time = 95 days



I81

3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L114

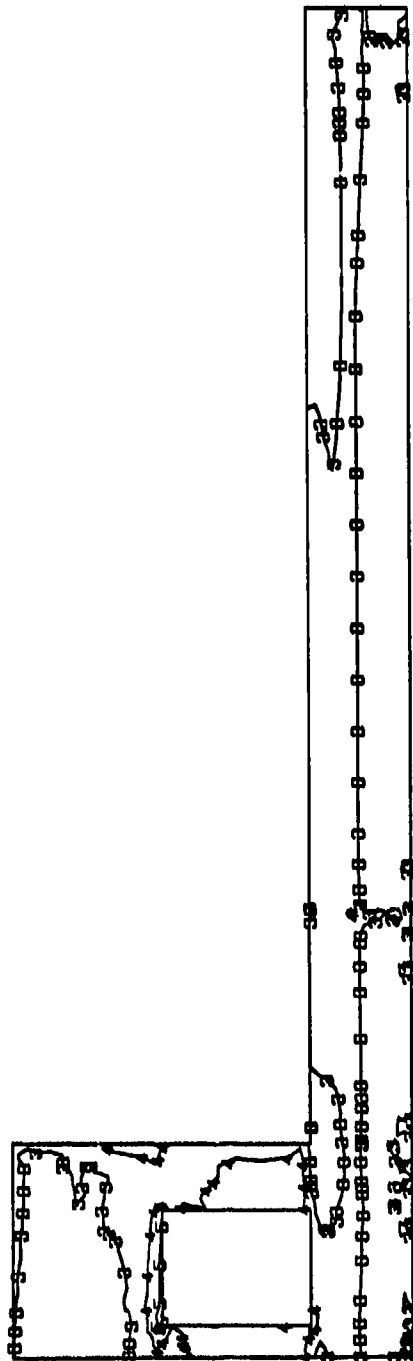
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.450E+01 STEP 40 INCREMENT 6



PRIN3  
VALUE

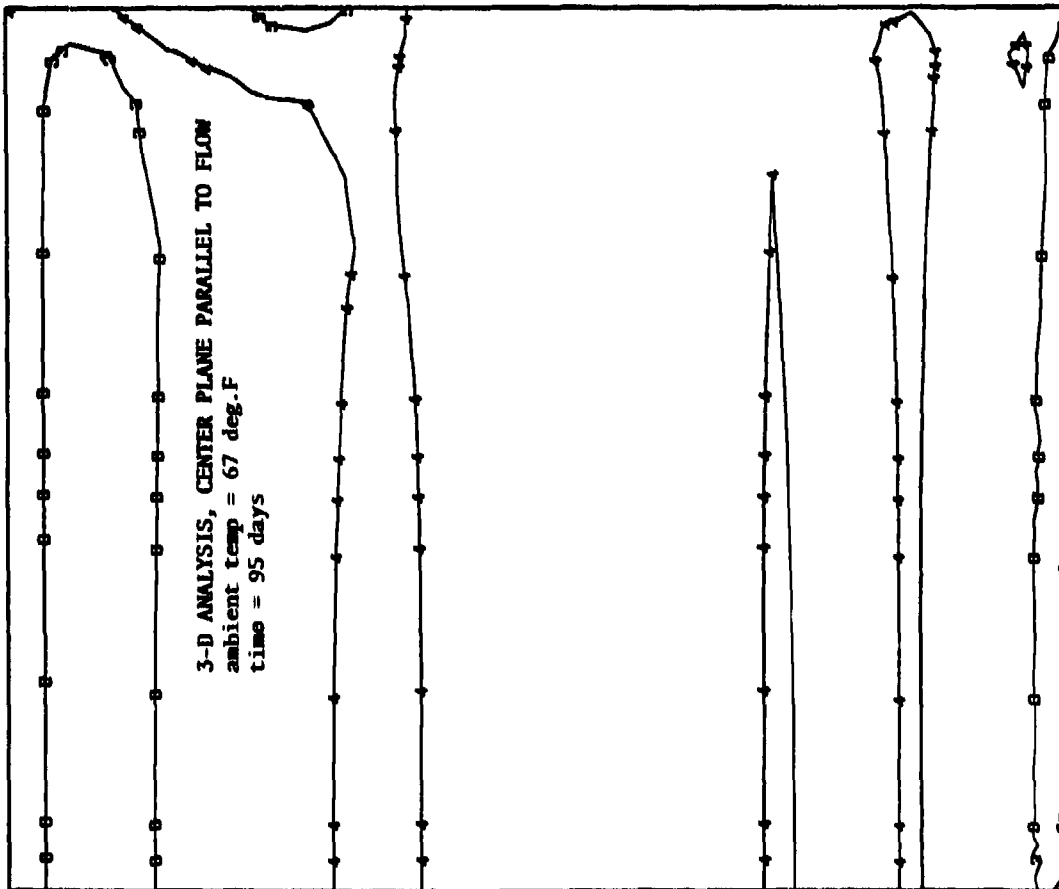
1	-1.00E+02
2	-3.99E+01
3	+2.00E+01
4	+8.00E+01
5	+1.40E+02
6	+2.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS  
ambient temp = 67 deg. F  
time = 95 days



1  
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L114  
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.450E+01 STEP 40 INCREMENT 5

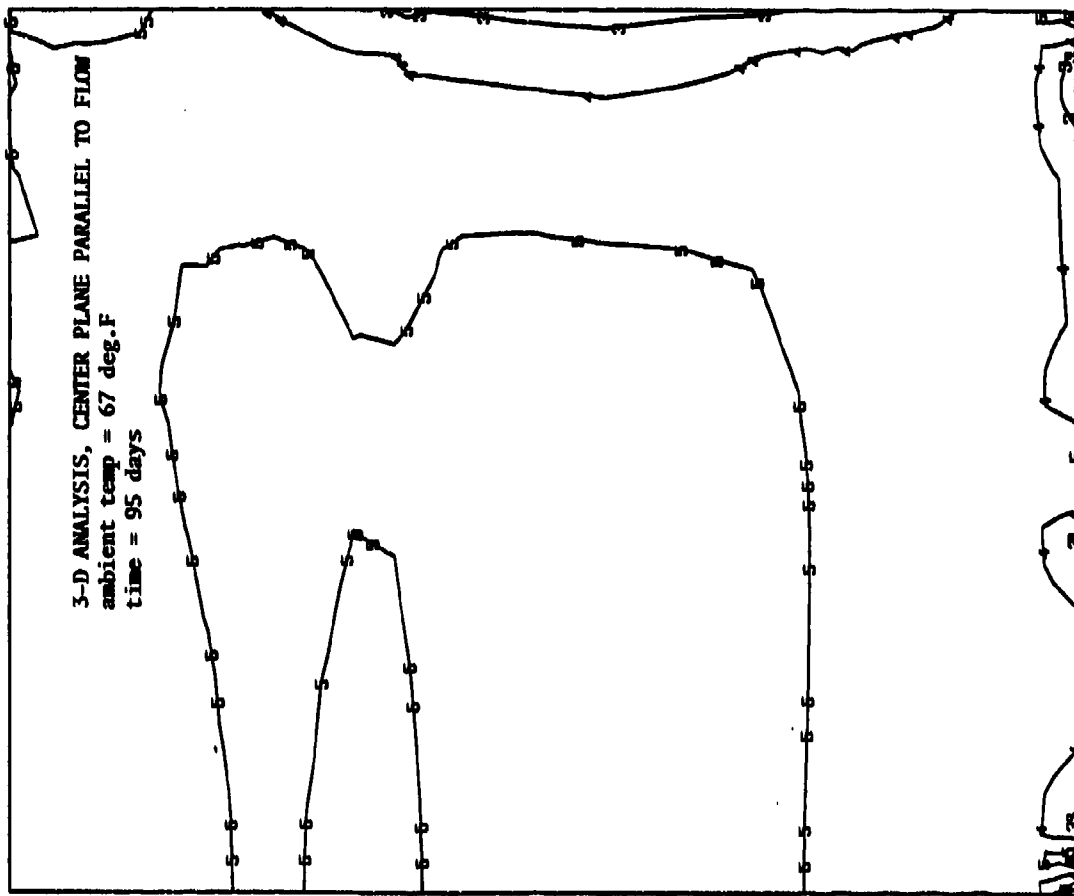
S11  
VALUE  
1 -2.00E+02  
2 -1.20E+02  
3 -3.98E+01  
4 +4.00E+01  
5 +1.20E+02  
6 +2.00E+02



3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L114  
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.49E+00 8 STEPS AND TRANSIENT C

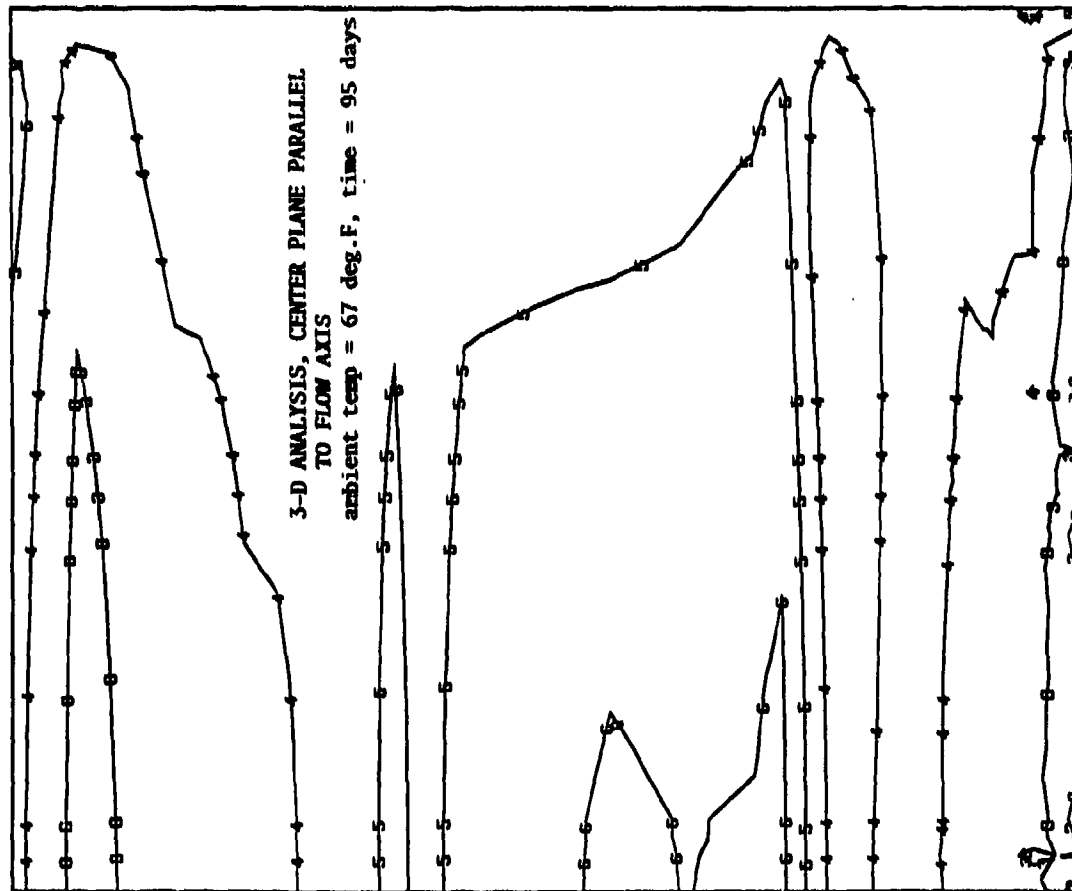
S22  
VALUE

1	-4.00E+02
2	-3.00E+02
3	-2.00E+02
4	-9.99E+01
5	+1.00E-04
6	+1.00E+02



3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L114

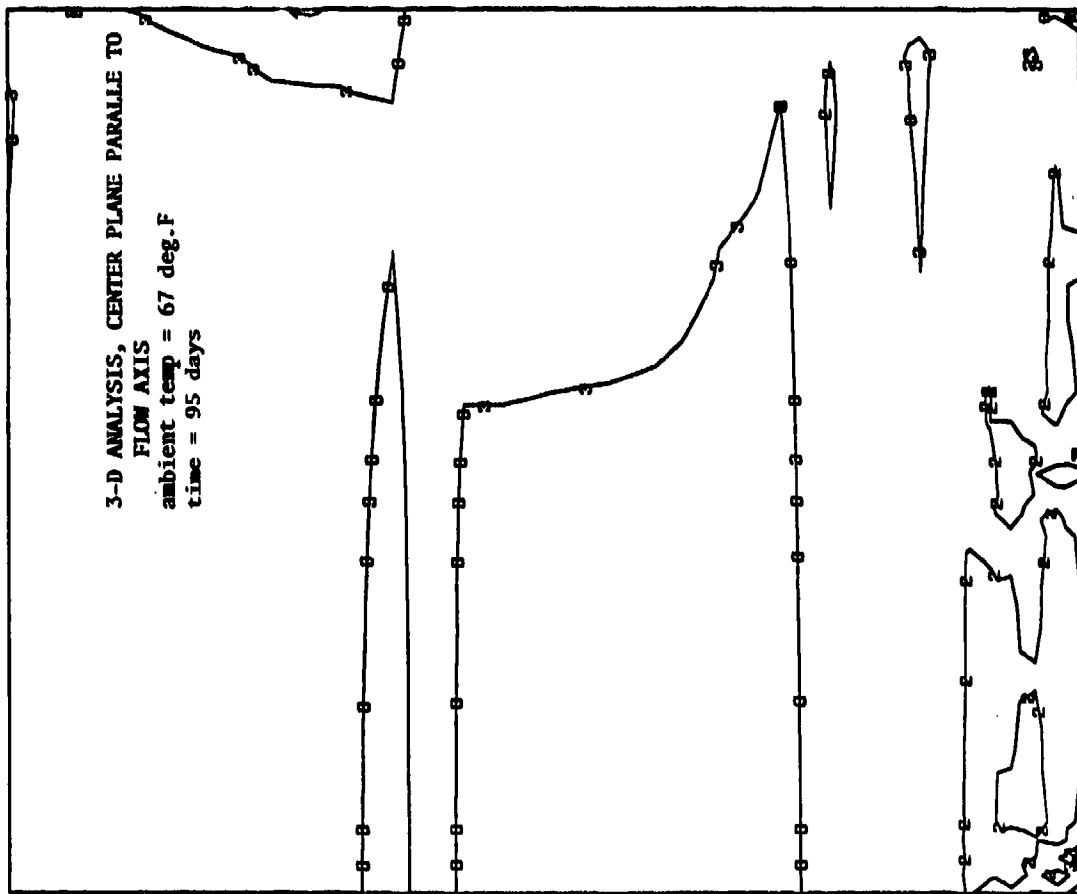
SSG  
 VALUE  
 1 -2.00E+02  
 2 -1.40E+02  
 3 -8.00E+01  
 4 -1.98E+01  
 5 +4.00E+01  
 6 +1.00E+02



3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L114  
 TIME COMPLETED IN THIS STEP +3.00E+00 TOTAL ATTEMPTS AFTER TIME AS ABOVE IS NOTED AS TEMPERATURE C

PRINTS  
VALUE

1	-1.00E+02
2	-1.99E+01
3	+6.00E+01
4	+1.40E+02
5	+2.20E+02
6	+3.00E+02

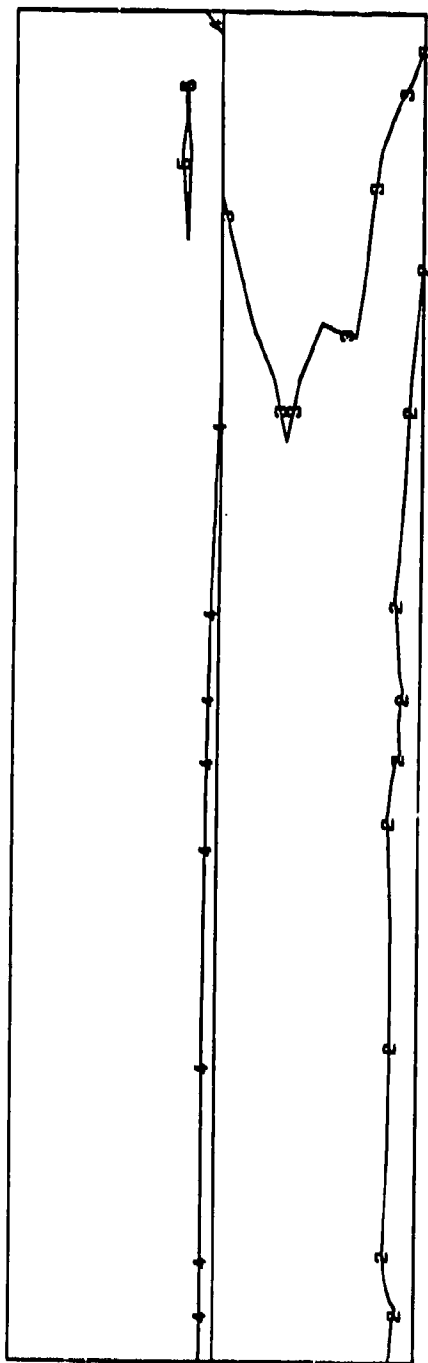


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L114

S11  
VALUE

1	-1.00E+02
2	-6.00E+01
3	-1.99E+01
4	+2.00E+01
5	+6.00E+01
6	+1.00E+02

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4  
ambient temp = 67 deg. F  
time = 95 days

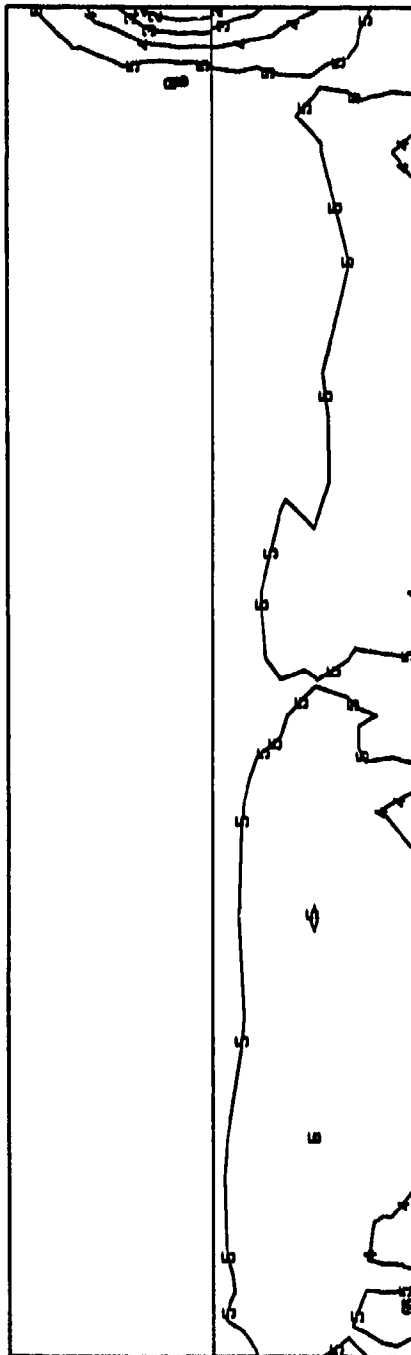


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L114  
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.480E+01 ■ STEP 40 INCREMENT 5

B22  
VALUE

1	-8.00E+01
2	-6.20E+01
3	-4.40E+01
4	-2.60E+01
5	-7.95E+00
6	+1.00E+01

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4  
ambient temp = 67 deg. F  
time = 95 days



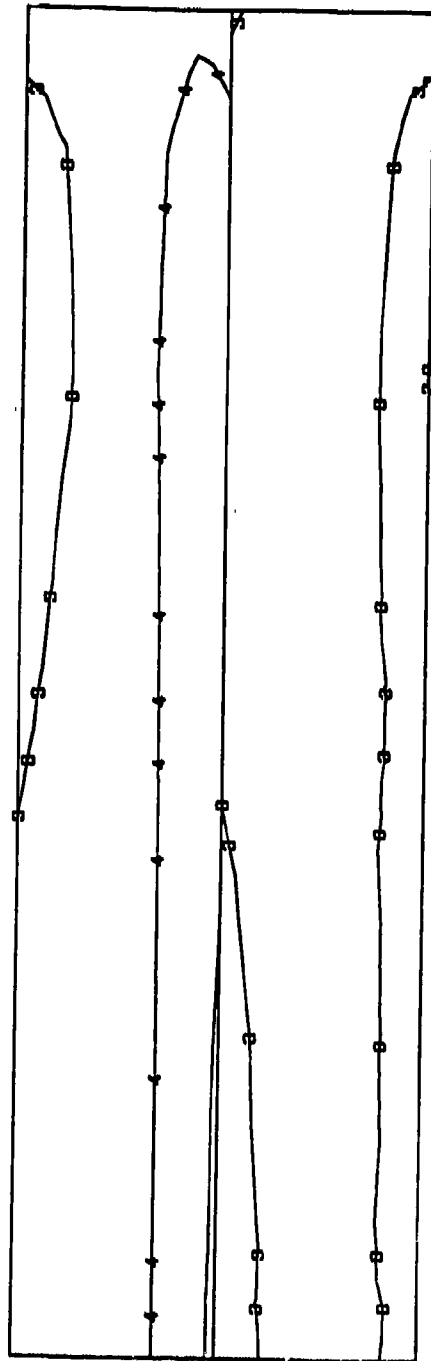
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L114

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.450E+01 STEP AN INCREMENT 5

SS3  
VALUE

1 -1.00E+02  
2 -6.00E+01  
3 -1.99E+01  
4 +2.00E+01  
5 +6.00E+01  
6 +1.00E+02

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 3  
ambient temp = 67 deg.F  
time = 95 days



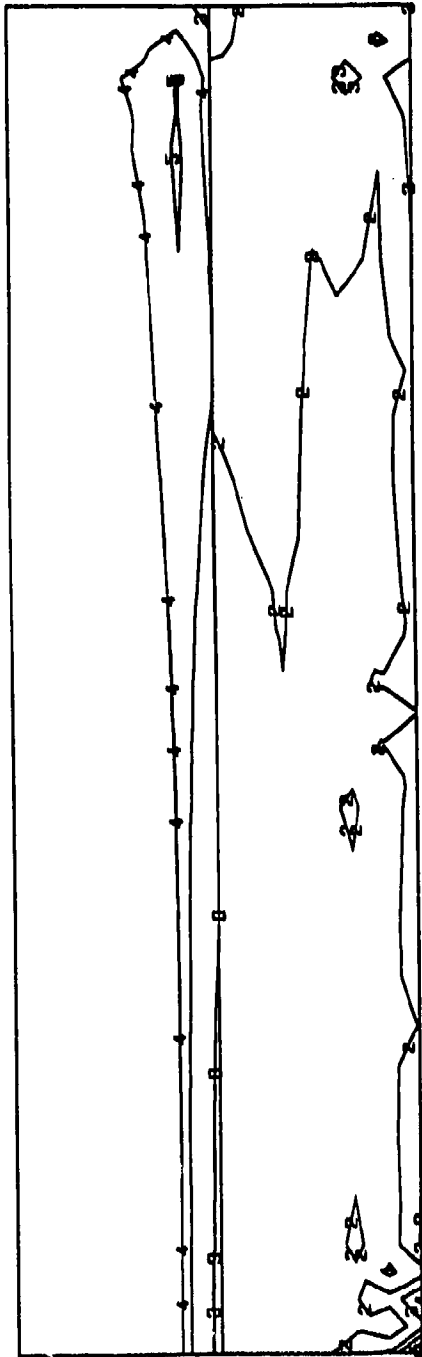
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L114  
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +9.495E+01 HOURS AND TEMPERATURE C



PRINTS  
VALUE

1	-1.99E+01
2	+2.00E-06
3	+2.00E+01
4	+4.00E+01
5	+6.00E+01
6	+8.00E+01

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4  
ambient temp = 67 deg.F  
time = 95 days



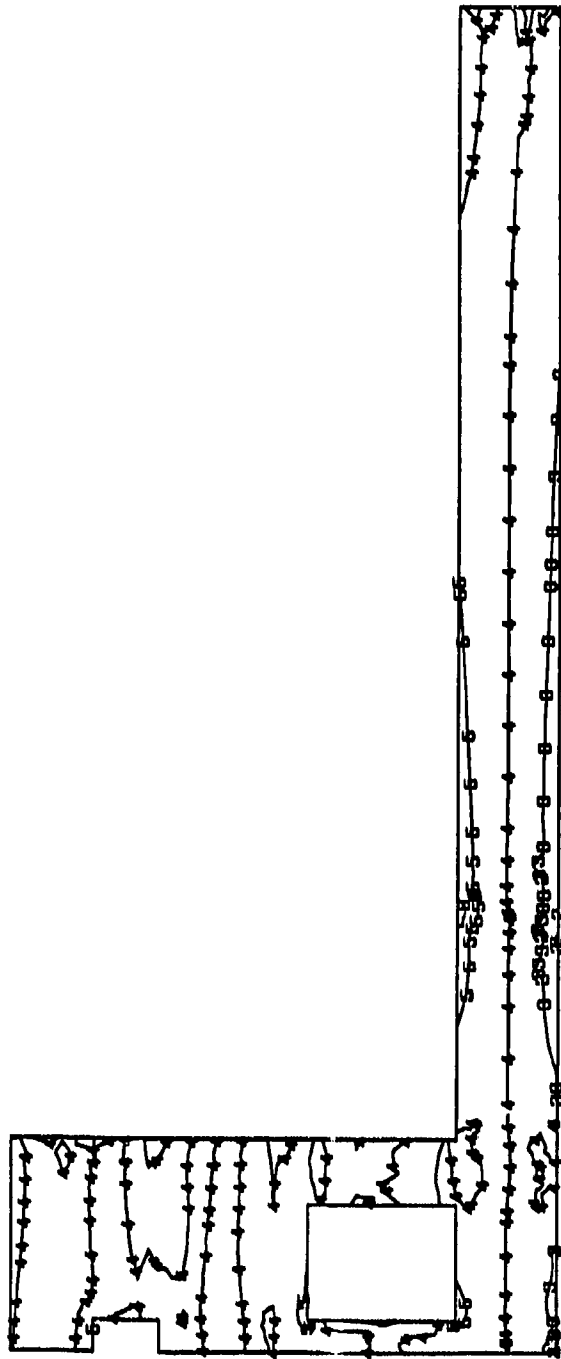
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L114

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +3.000E+00

S11  
VALUE

1	-3.00E+02
2	-2.00E+02
3	-9.55E+01
4	+1.00E-04
5	+1.00E+02
6	+2.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS  
 ambient temp = 58 deg.F  
 time = 120 days



1

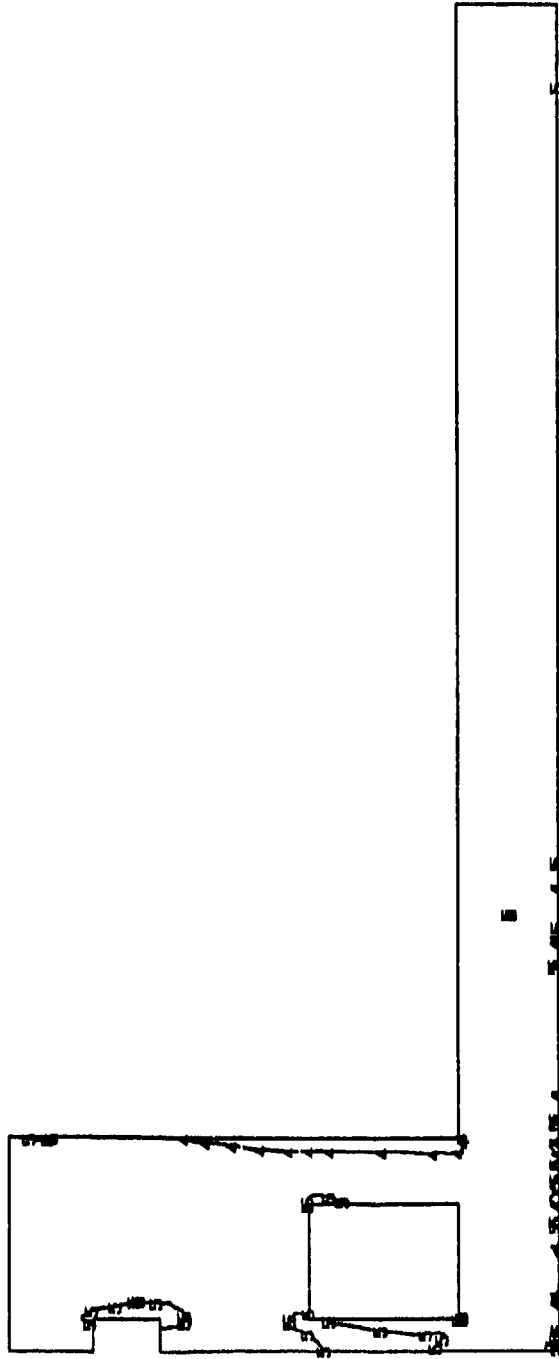
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119

TIME COMPLETED IN THIS STEP 43 MINUTES TOTAL APPROXIMATE TIME 43 HOURS 00 MIN 00 SEC

S22  
VALUE

1	-5.00E+02
2	-4.40E+02
3	-2.30E+02
4	-1.19E+02
5	+4.00E+01
6	+2.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS  
ambient temp = 58 deg.F  
time = 120 days



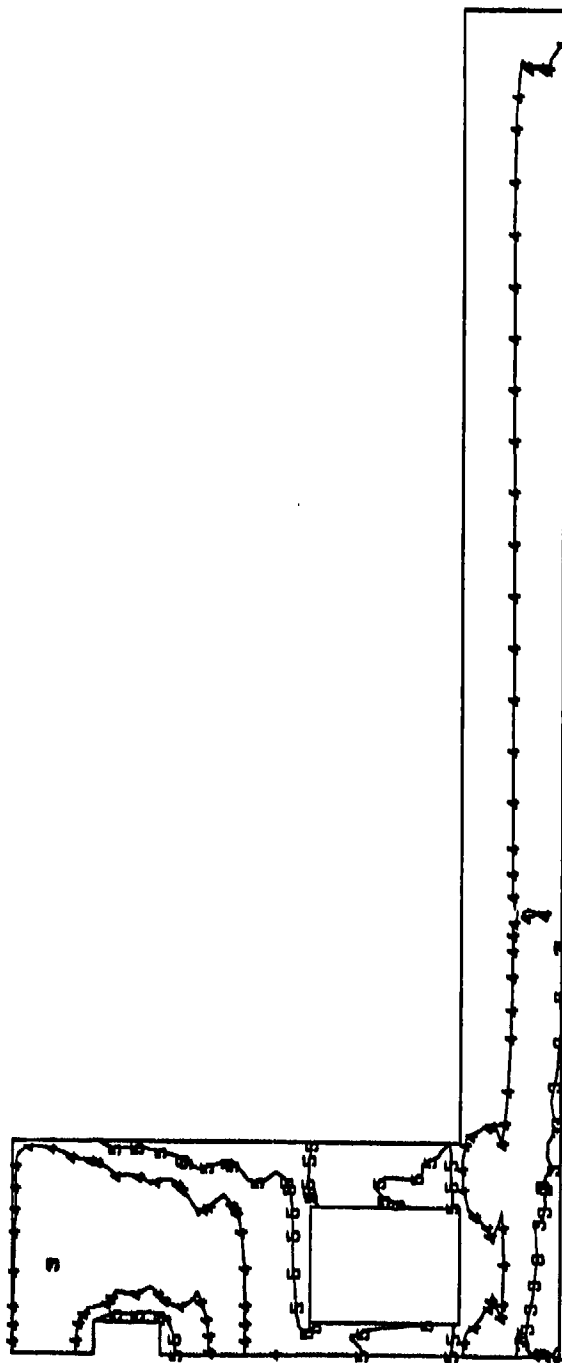
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119

TIME ORIGINATED IN THIS GRID IS 000000.00

SS3  
VALUE

1	-3.00E+02
2	-2.00E+02
3	-9.99E+01
4	+1.00E+04
5	+1.00E+02
6	+2.00E+02

3-D ANALYSIS, CENTER SECTION TRANSVERSE TO FLOW AXIS  
ambient temp = 58 deg. F  
time = 120 days

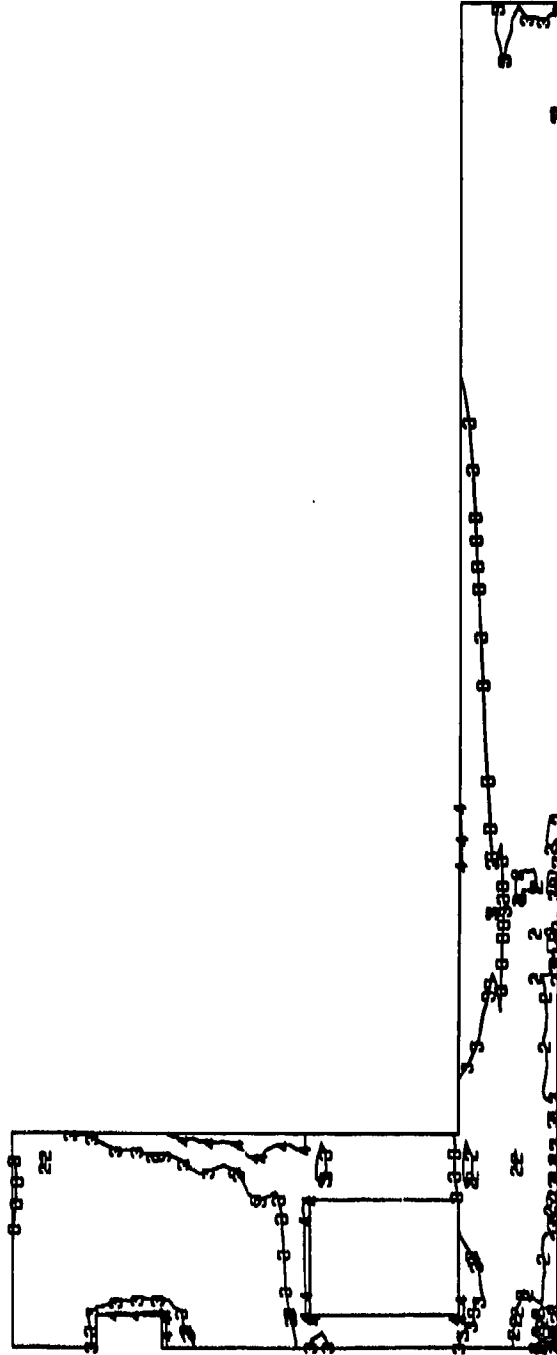


1  
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119  
TIME COMPLETED IN THIS STEP +3.000F+00 TOTAL APPROXIMATE TIME 24 HOURS 0 MIN 00 SECONDS

PRING  
VALUE

1	-1.00E+02
2	-1.99E+01
3	+6.00E+01
4	+1.40E+02
5	+2.20E+02
6	+3.00E+02

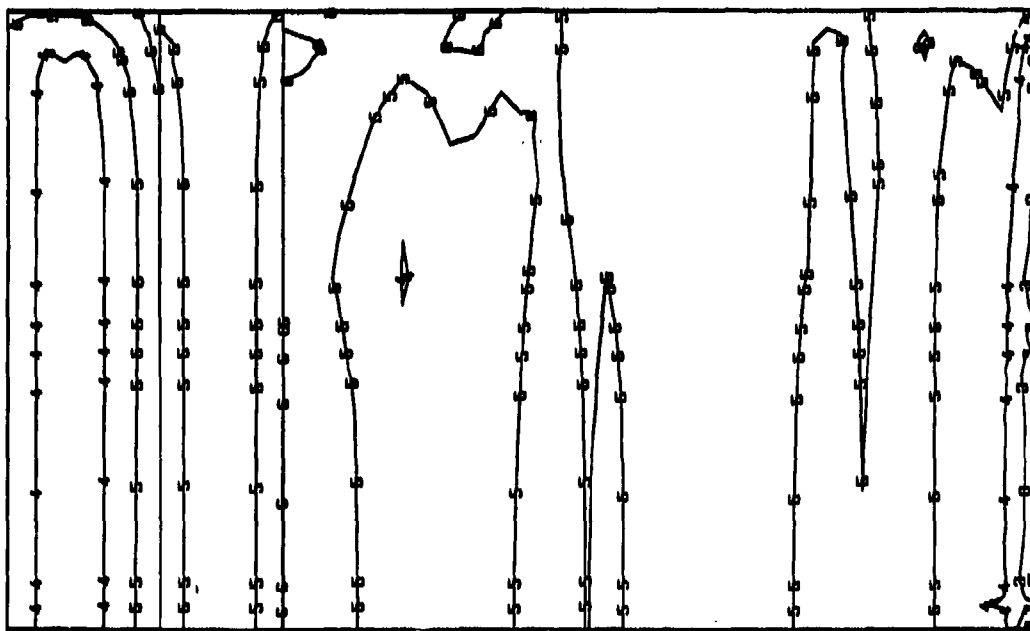
3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS  
ambient temp = 58 deg.F  
time = 120 days



3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119

S11  
VALUE

1 -3.00E+02  
2 -2.20E+02  
3 -1.40E+02  
4 -5.90E+01  
5 +2.00E+01  
6 +1.00E+02



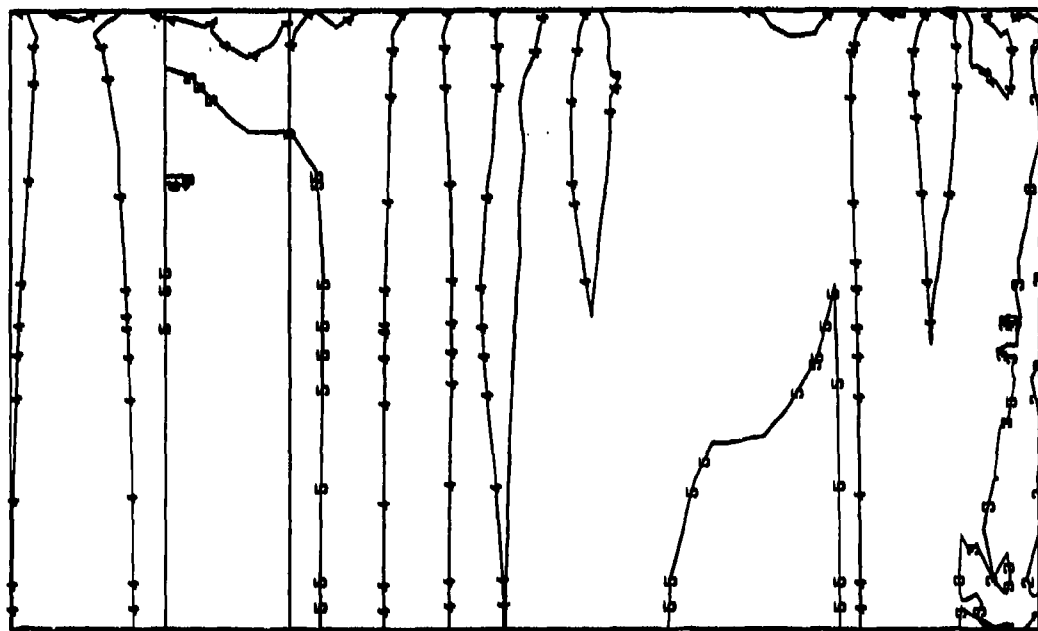
3-D ANALYSIS, CENTER PLANE PARALLEL  
TO FLOW AXIS  
ambient temp = 58 deg. F  
time = 120 days

3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119  
TIME COMPLETED IN THIS STEP +3.00E+00 TOTAL ACCUMULATED TIME +1.15E+02 STEP 65 INCREMENT 6

2	VALUE
1	-6.00E+02
2	-4.40E+02
3	-2.80E+02
4	-1.19E+02
5	+4.00E+01
6	+2.00E+02

3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119

3-D ANALYSIS, CENTER PLANE PARALLEL  
TO FLOW AXIS  
ambient temp = 58 deg.F  
time = 120 days



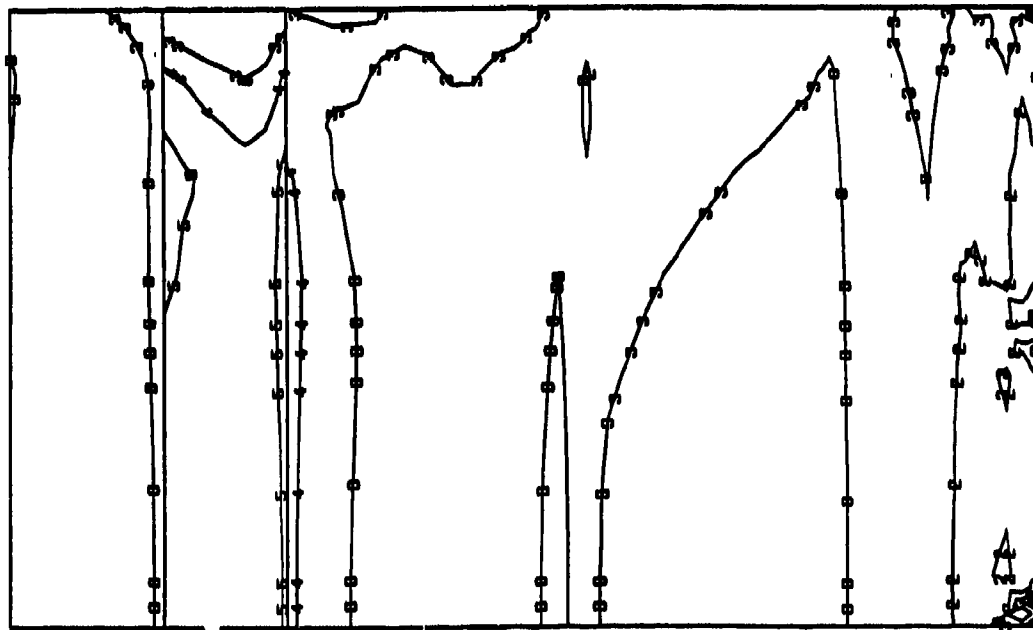
13  
JUE  
1 -3.00E+02  
2 -2.00E+02  
3 -9.99E+01  
4 +1.00E+04  
5 +1.00E+02  
6 +2.00E+02

3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119  
TIME COMPLETED IN THIS STEP +3.000E+08 TOTAL ACCUMULATED TIME +1.155E+02 8 STEP 65 INCREMENT 5



PRINS  
VALUE

1	-1.00E+02
2	-1.50E+01
3	+6.00E+01
4	+1.40E+02
5	+2.20E+02
6	+3.00E+02



3-D ANALYSIS, CENTER PLANE PARALLEL  
TO FLOW AXIS  
ambient temp = 58 deg. F  
time = 120 days

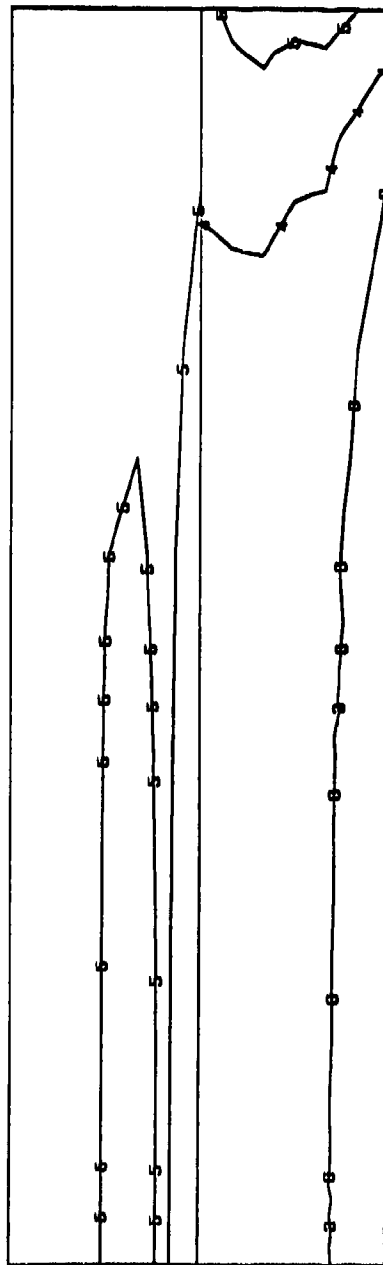
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119

TIME COMPLETED IN THIS STEP +3.00E+00 TOTAL ACCUMULATED TIME +1.15E+02 STEP 55 INCREMENT 5

S11  
VALUE

1 -2.00E+02  
2 -1.40E+02  
3 -8.00E+01  
4 -1.95E+01  
5 +4.02E+01  
6 +1.00E+02

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4  
ambient temp = 58 deg. F  
time = 120 days



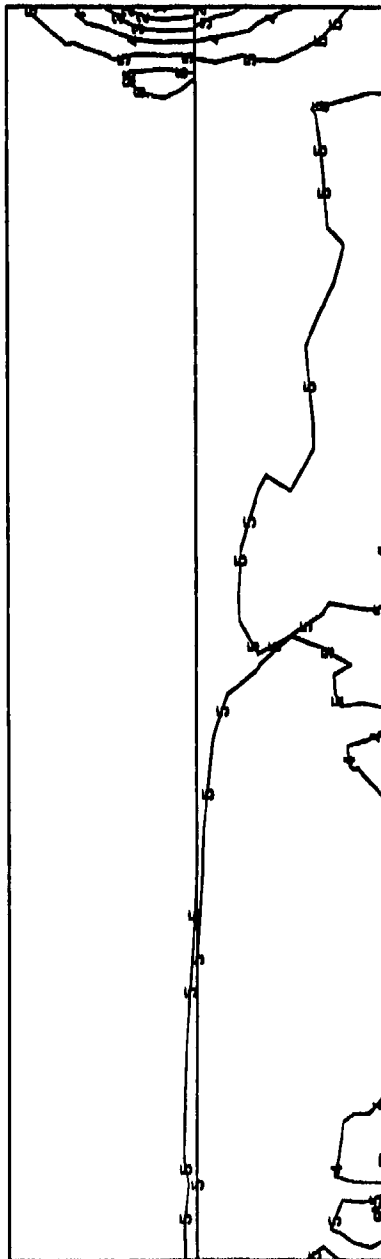
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119

TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.195E+02 STEP 65 INCREMENT 5

VALUE

1 -8.00E+01  
2 -6.20E+01  
3 -4.40E+01  
4 -2.60E+01  
5 -7.95E+00  
6 +1.00E+01

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4  
ambient temp = 58 deg. F  
time = 120 days

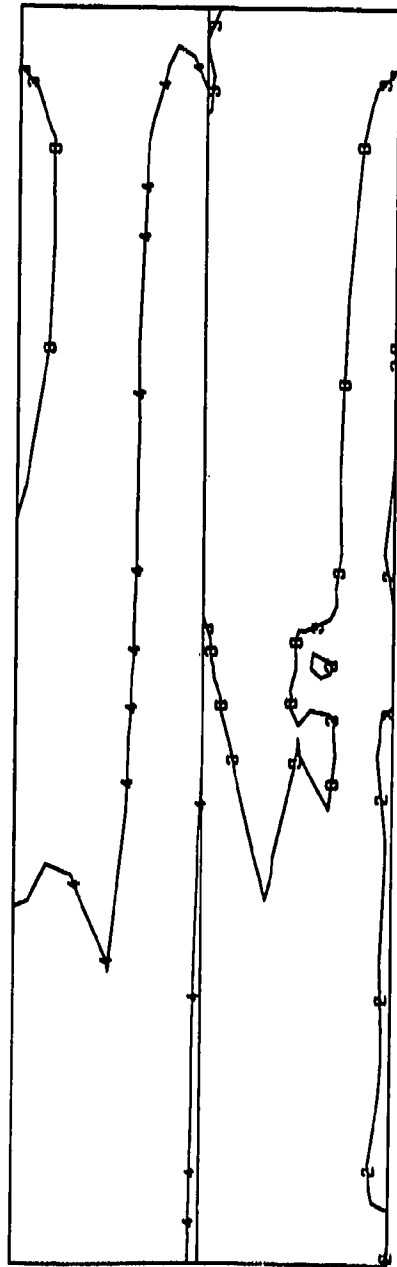


I100

3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119  
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.195E+02 8 STEP 65 INCREMENT 5

653  
VALUE  
1 -1.00E+02  
2 -6.00E+01  
3 -1.99E+01  
4 +2.00E+01  
5 +6.00E+01  
6 +1.00E+02

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4  
ambient temp = 58 deg.F  
time = 120 days

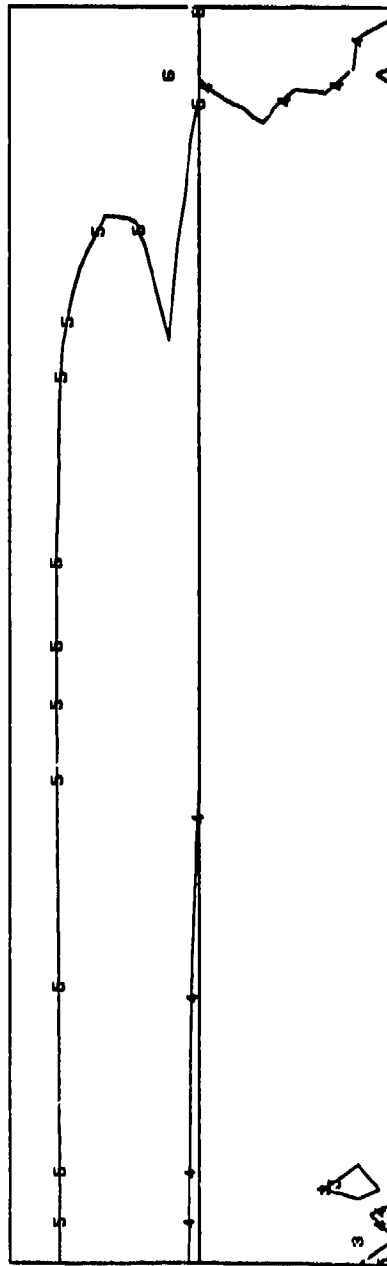


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119  
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.196E+02 STEP 66 INCREMENT 6

PRIN3  
VALUE

1	-1.00E+02
2	-6.00E+01
3	-1.95E+01
4	+2.00E+01
5	+6.00E+01
6	+1.00E+02

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4  
ambient temp = 58 deg.F  
time = 120 days

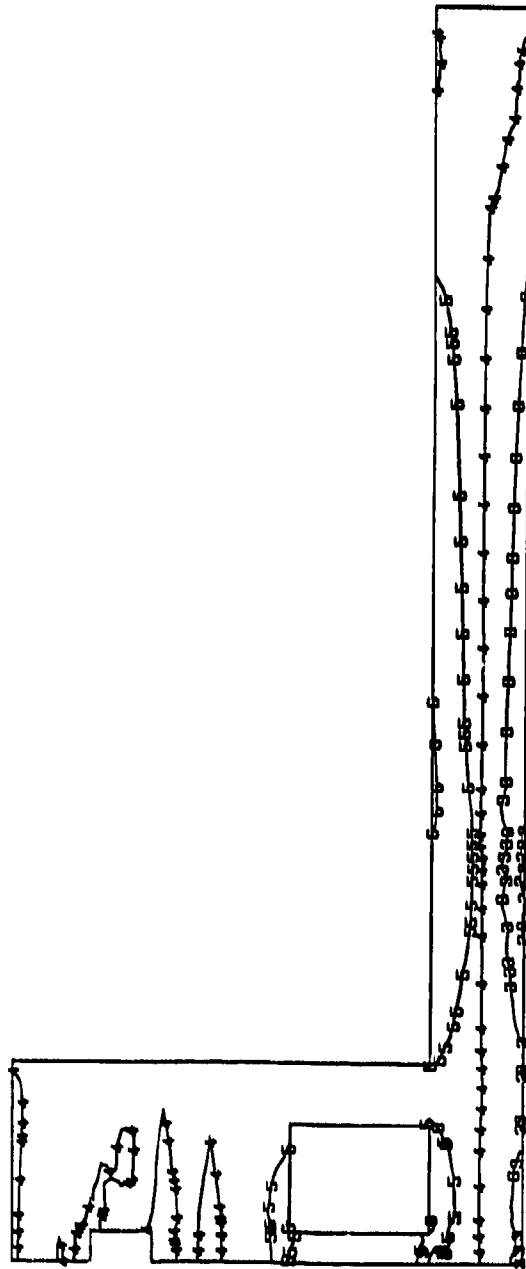


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119  
TIME COMPLETED IN THIS STEP +3.000E+00 TOTAL ACCUMULATED TIME +1.195E+02 # STEP 55 INCREMENT 5

SL1  
VALUE

1 -4.00E+02  
2 -2.80E+02  
3 -1.50E+02  
4 -3.93E+01  
5 +8.00E+01  
6 +2.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS  
ambient temp = 36.5 deg. F  
time = 183 days

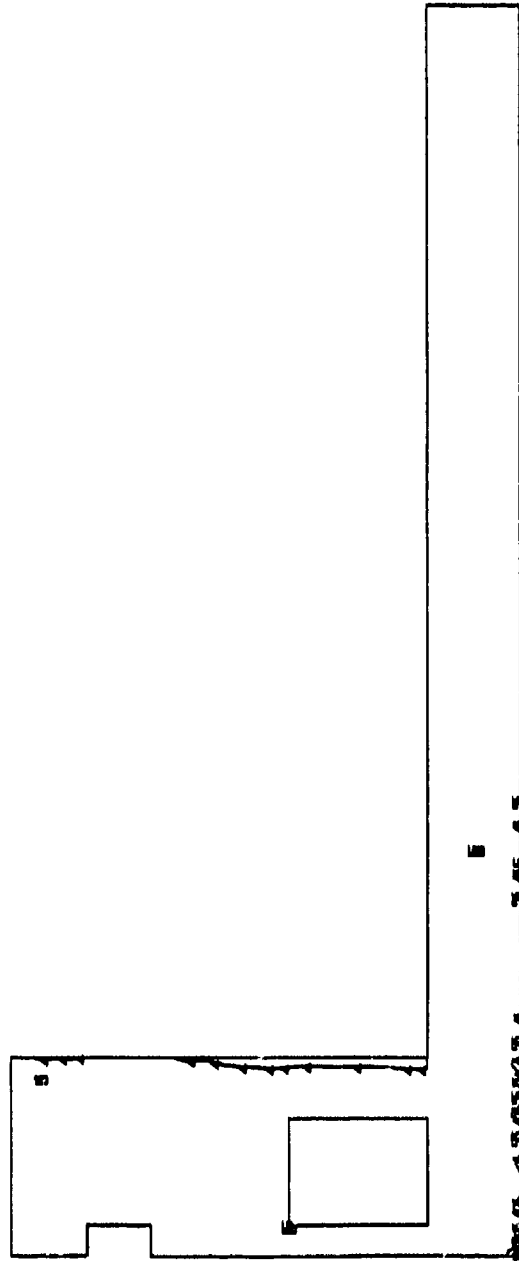


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119  
TIME COMPLETED IN THIS STEP +5.000E+01 TOTAL ACCUMULATED TIME +1.825E+02 STEP 67 INCREMENT 2E

SZ2  
VALUE

1	-6.00E+02
2	-4.40E+02
3	-2.80E+02
4	-1.15E+02
5	+4.00E+01
6	+2.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS  
ambient temp = 36.5 deg.F  
time = 183 days



3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119

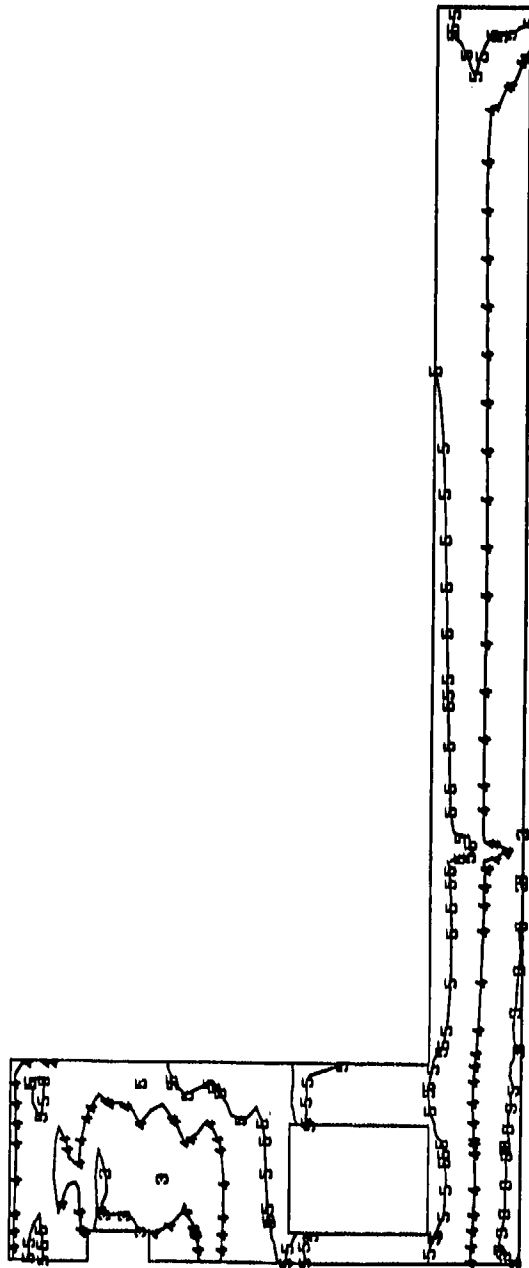
TIME COMPLETED IN THIS STEP +5.000E+01 TOTAL ACCUMULATED TIME +1.822E+02 STEP 57 INCREMENT 25

533

VALUE

1	-4.00E+02
2	-2.80E+02
3	-1.60E+02
4	-3.99E+01
5	+8.00E+01
6	+2.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS  
 ambient temp = 36.5 deg.F  
 time = 183 days



1

3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119

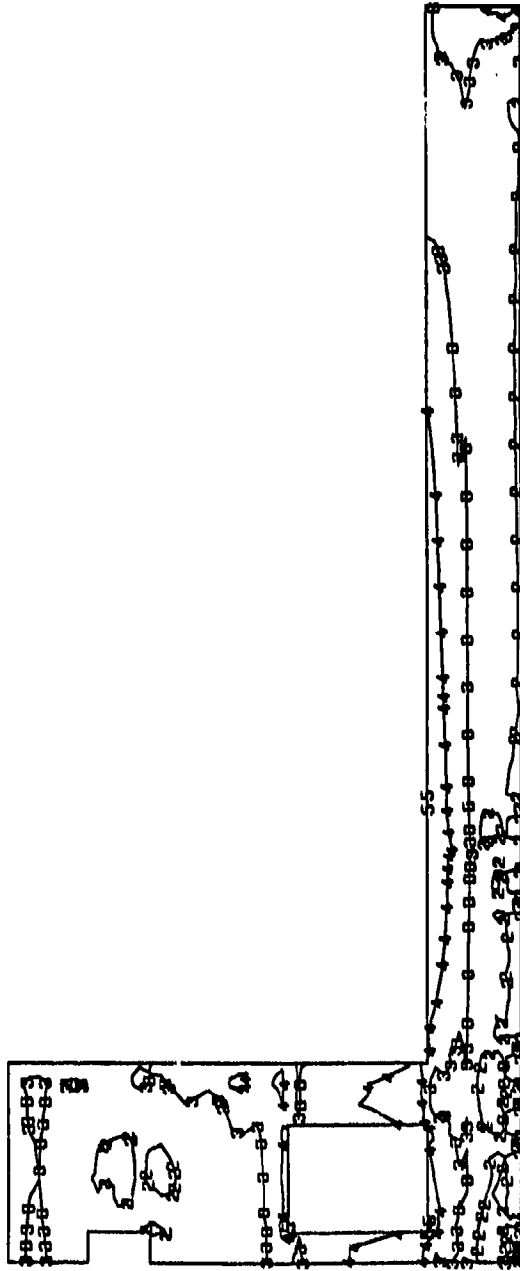
TIME COMPLETED IN THIS STEP +5.000E+01 TOTAL ACCUMULATED TIME +1.822E+02 STEP 57 INCREMENT 25



PRINTS  
VALUE

1	-1.00E+02
2	-1.58E+01
3	+6.00E+01
4	+1.43E+02
5	+2.20E+02
6	+3.00E+02

3-D ANALYSIS, CENTER PLANE TRANSVERSE TO FLOW AXIS  
ambient temp = 36.5 deg.F  
time = 183 days

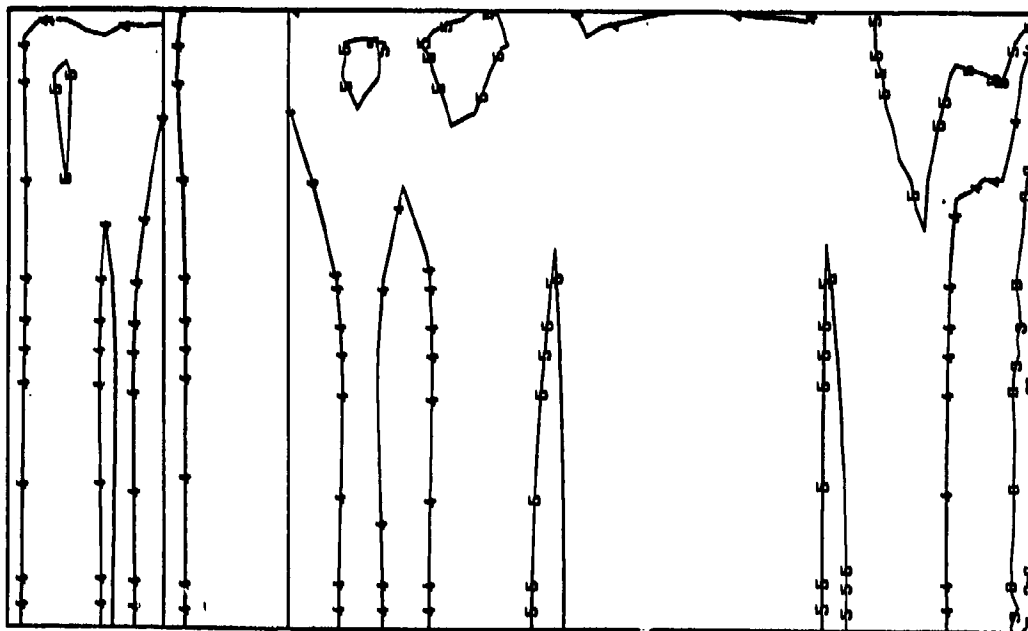


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119

TIME COMPLETED IN THIS STEP +5.000E+01 TOTAL ACCUMULATED TIME +1.822E+02 STEP 57 INCREMENT 26

SL1  
VALUE  
1  
2  
3  
4  
5  
6

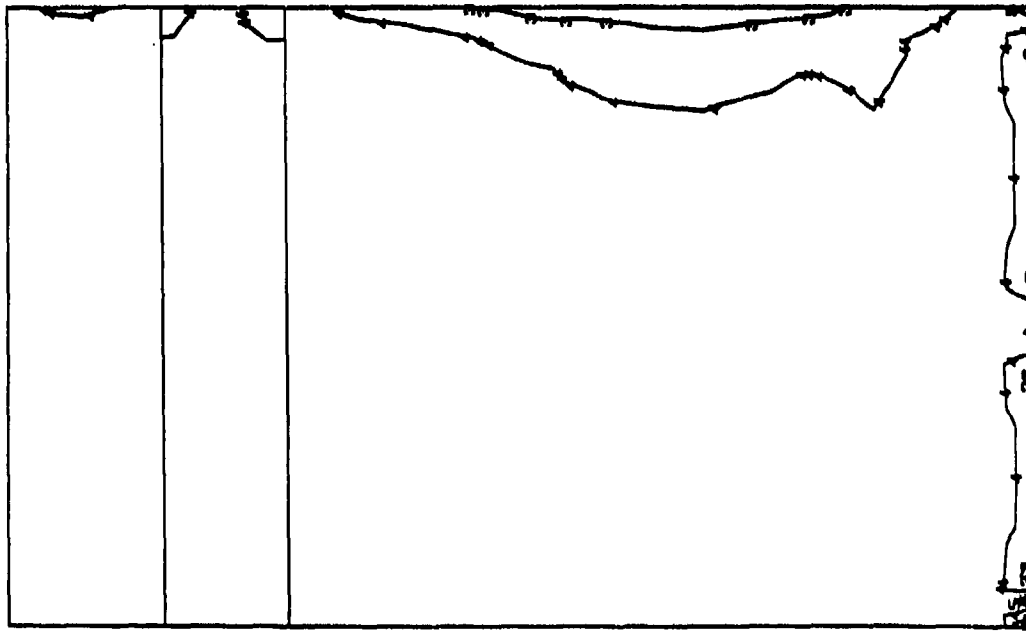
-4.00E+02  
-2.80E+02  
-1.60E+02  
-3.99E+01  
+8.00E+01  
+2.00E+02



3-D ANALYSIS, CENTER PLANE PARALLEL  
TO FLOW AXIS  
ambient temp = 36.5 deg.F  
time = 183 days

3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119  
TIME COMPLETED IN THIS STEP +5.00E+01 TOTAL ACCUMULATED TIME +1.80E+02 STEP 67 INCREMENT 26

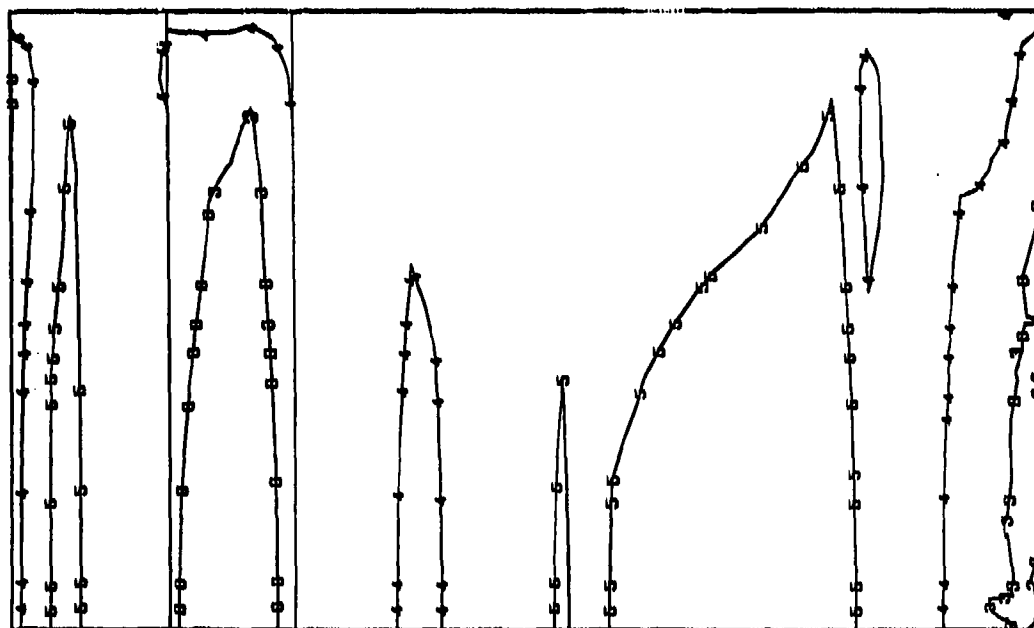
SC	VALUE
1	-6.00E+02
2	-4.40E+02
3	-2.80E+02
4	-1.19E+02
5	+4.00E+01
6	+2.00E+02



3-D ANALYSIS, CENTER PLANE PARALLEL  
TO FLOW AXIS  
ambient temp = 36.5 deg.F  
time = 183 days

3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119  
TIME COMPLETED IN THIS STEP +5.000E+01 TOTAL ACCUMULATED TIME +1.822E+02 STEP 67 INCREMENT 25

S33  
 VALUE  
 1 -4.00E+02  
 2 -2.80E+02  
 3 -1.60E+02  
 4 -3.99E+01  
 5 +8.00E+01  
 6 +2.00E+02

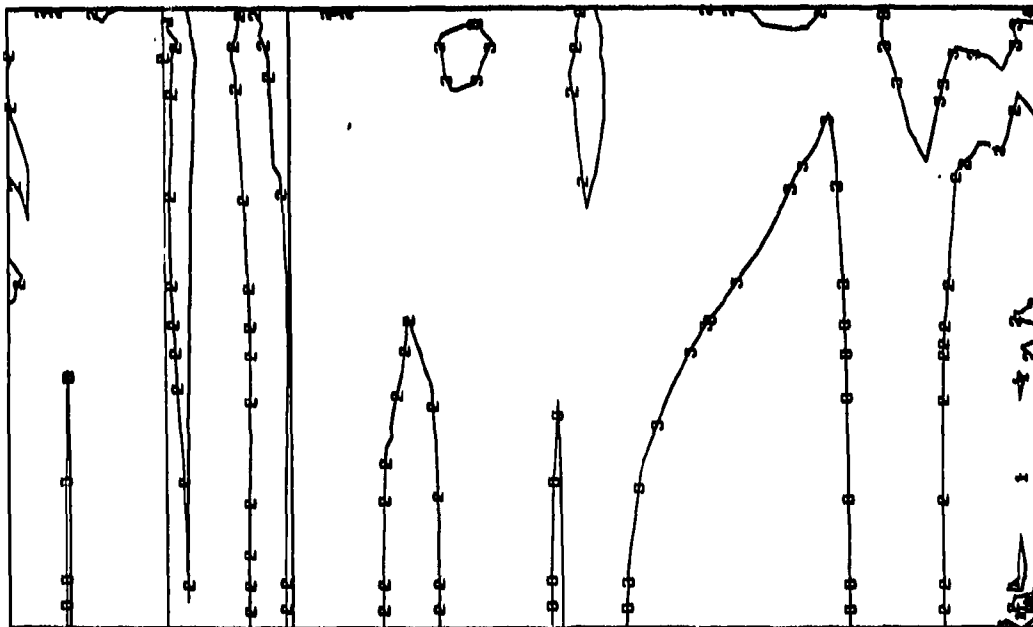


3-D ANALYSIS, CENTER PLANE PARALLEL  
 TO FLOW AXIS  
 ambient temp = 36.5 deg.F  
 time = 183 days

3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119  
 TIME COMPLETED IN THIS STEP +5.000E+01 TOTAL ACCUMULATED TIME +1.825E+02 STEP 67 INCREMENT 25

PRING  
VALUE

1	-9.99E+01
2	+1.00E+04
3	+1.00E+02
4	+2.00E+02
5	+3.00E+02
6	+4.00E+02



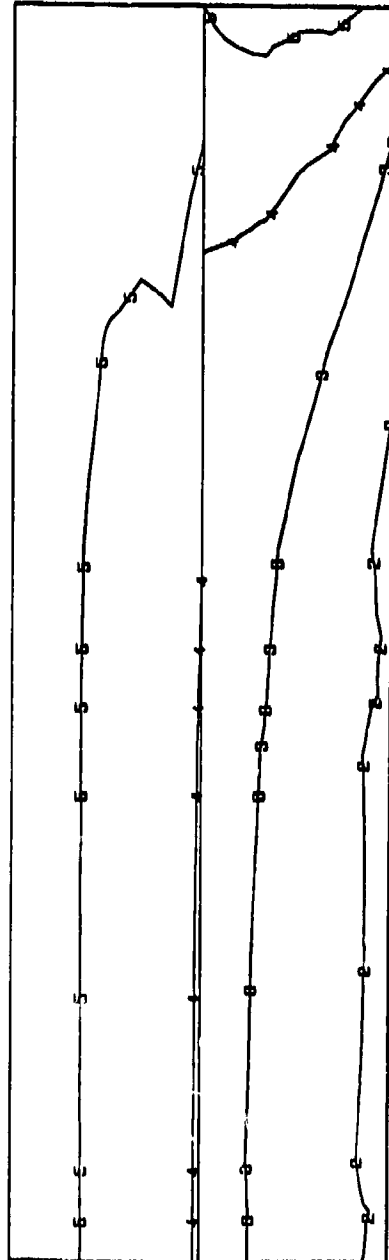
3-D ANALYSIS, CENTER PLANE PARALLEL  
TO FLOW AXIS  
ambient temp = 36.5 deg.F  
time = 183 days

3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119  
TIME COMPLETED IN THIS STEP +5.000E+01 TOTAL ACCUMULATED TIME +1.825E+02 STEP 57 INCIDENT 26

S11  
VALUE

1	-3.00E+02
2	-2.00E+02
3	-9.99E+01
4	+1.00E+01
5	+1.00E+02
6	+2.00E+02

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4  
ambient temp = 36.5 deg.F  
time = 183 days

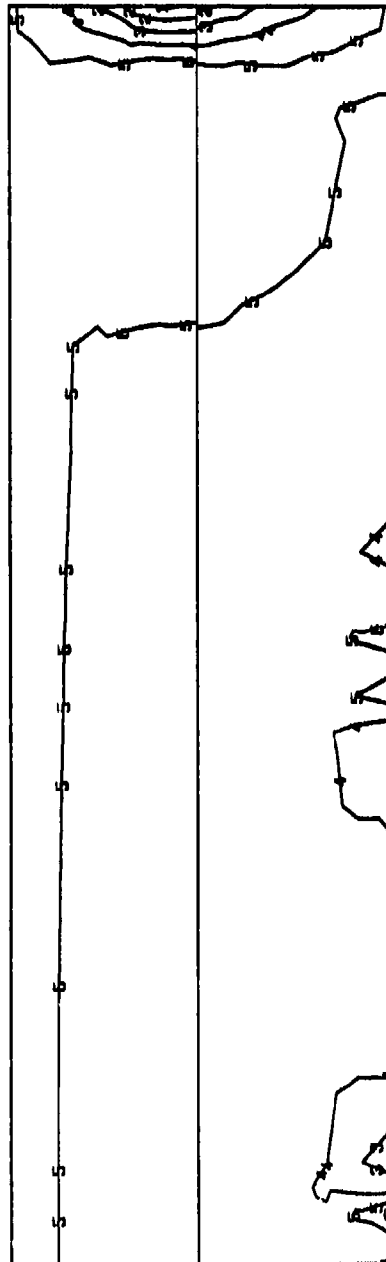


I111

3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119  
TIME COMPLETED IN THIS STEP +6.00E+01 TOTAL ACCUMULATED TIME +1.825E+02 STEP 57 INCIDENT 25

1	-9.00E+01
2	-6.80E+01
3	-4.60E+01
4	-2.40E+01
5	-1.39E+00
6	+2.00E+01

3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4  
ambient temp = 36.5 deg.F  
time = 183 days

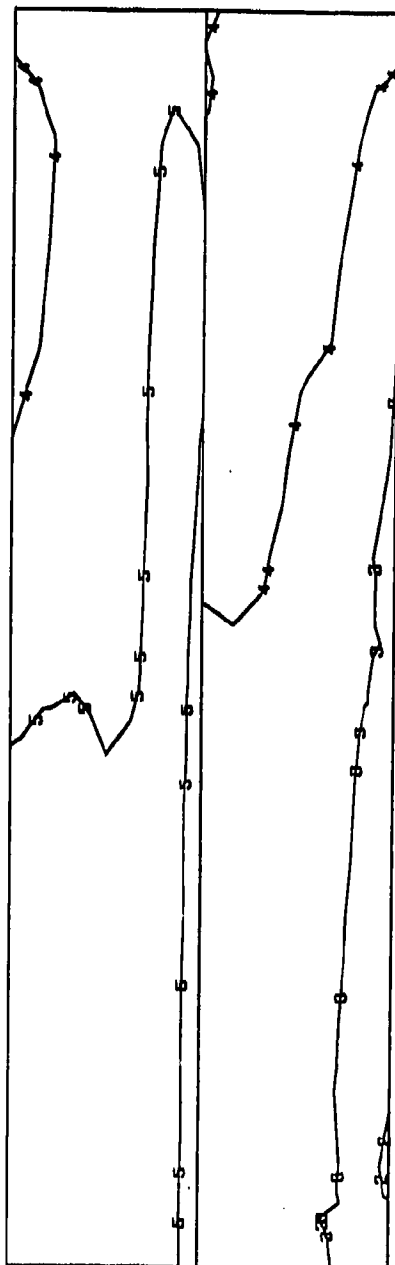


3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119

**VALUE**

1	-2.00E+02
2	-1.40E+02
3	-8.00E+01
4	-1.95E+01
5	+4.00E+01
6	+1.00E+02

**3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4**  
**ambient temp = 36.5 deg.F**  
**time = 183 days**



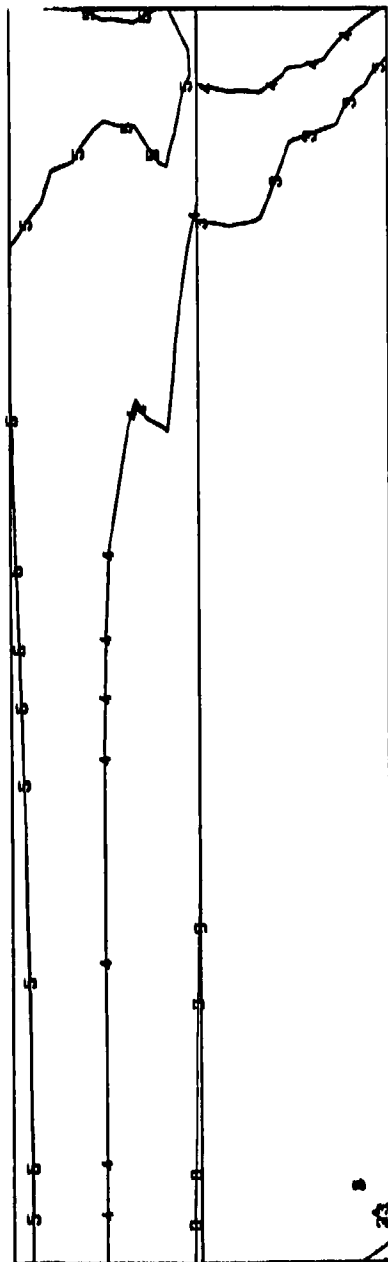
3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119  
TIME COMPLETED IN THIS STEP +5.00E+01 TOTAL ACCUMULATED TIME +1.82E+02 ■ STEP 57 INCREMENT 25



PRINC	VALUE
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1	-1.00E+02
2	-3.99E+01
3	+2.00E+01
4	+8.00E+01
5	+1.40E+02
6	+2.00E+02

**3-D ANALYSIS, SECTION THROUGH LIFTS 2 & 4**  
**ambient temp = 36.5 deg.F**  
**time = 183 days**



3-D FLOOR PLACEMENT 1, COARSE GRID, JUNE 20 START, L119

TIME COMPLETED IN THIS STEP	+6.00E+01	TOTAL ACCUMULATED TIME	+1.82E+02	STEP 57	INCREMENT 25
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#### **Waterways Experiment Station Cataloging-In-Publication Data**

**Garner, Sharon**

Nonlinear, incremental structural analysis of Olmsted locks and dams /  
by Sharon Garner ... [et al.] ; prepared for US Army Engineer District,  
Louisville.

2 v. : ill. ; 28 cm. — (Technical report ; SL-92-28)

Includes bibliographical references.

1. Locks (Hydraulic engineering) — Ohio River. 2. Thermal stresses  
— Computer programs. 3. Concrete — Thermal properties. Structural  
analysis (Engineering) I. Garner, Sharon B. II. United States. Army.  
Corps of Engineers. Louisville District. III. U.S. Army Engineer Water-  
ways Experiment Station. IV. Series: Technical report (U.S. Army Engi-  
neer Waterways Experiment Station) ; SL-92-28.  
TA7 W34 no.SL-92-28